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SEVEN YEARS TROPICAL EXPOSURE OF FINISHING SYSTEMS FOR ALUMINUM AND MAGNESIUM

Melvin H. Sandler

Coating and Chemical Laboratory

Prepared for:

Army Materiel Command

November 1972

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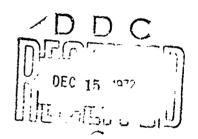
PROGRESS REPORT

SEVEN YEARS TROPICAL EXFOSURE OF FINISHING SYSTEMS
FOR ALUMINUM AND MAGNESIUM

BY

MELVIN H. SANDLER

NOVEMBER 1972



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ABERDEEN PROVING GROUND
MARYLAND 21005

UNCLASSIFIED Security Classification DOCUMENT CONTROL DATA - R & D . (Security clausification of title, body of abstract and indexing annotation must be untered when the overall report is classified) U.S. Army Mobility Equipment Research & Development Ze, REPORT SECURITY CLASSIFICATION Unclassified Center, Coating & Chemical Laboratory Aberdeen Proving Ground, MD 21005 SEVEN LEARS TROPICAL EXPOSURE OF FINISHING SYSTEMS FOR ALUMINUM AND MAGNESIUM 4. DESCRIPTIVE HOTES (Type of report and inclusive dates) Progress Report 5. AUTHOR( , (First name, middle initial, last name) Melvin H. Sandler 4. REPT' ! DATE TAL TOTAL NO. OF PAGES 7b. NJ. OF REFS November 1972 SE. CONTRACT OR GRANT NO. Se. ORIGINATOR'S REPORT HUMBER(S) AMCMS Code No. 502E.11.29500 b. PROJECT NO. CCL #319 1T062105A329 9b. OTHER REPORT NC(\$) (Any other numbers that may be assigned this report) 10. DISTRIBUTION STATEMENT Approved for public release; distribution unlimited 11. SUPPLEMENTARY NOTES 12. SPONSORING MILITARY ACTIVITY U. S. Army Materiel Command Washington, D. C. 20315 This report comers - Ludy of the corrosion resistance provided by specification finishing systems to aluminum and magnesium exposed in a tropical environment. The systems include chemical, anodic, and wash primer metal pretreatments; primers specified for these metals in Military Standard No. 171 'Finishing of Metal and Wood Surfaces"; several other specification primers that have been used for these metals: and an experimental epoxy primer. Finish coats included specification lustreless, semi-gloss, and gloss alkyd resin enamels and a gloss polyamide-epoxy enamel. Seven

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#### ABSTRACT

This report covers a study of the corrosion resistance provided by specification finishing systems to aluminum and magnesium exposed in a tropical environment. The systems include chemical, anodic, and wash primer metal pretreatments; primers specified for these metals in Military Standard No. 171 "Finishing of Metal and Wood Surfaces"; several other specification primers that have been used for these metals; and an experimental epoxy primer. Finish coats included specification lustreless, semi-gloss, and gloss alkyd resin enamels and a gloss polyamide-epoxy enamel. Seven years exposure, shows finishing systems are available for the protection of aluminum and magnesium.

# TABLE OF CONTENTS

	Page No.
TITLE PAGE	i
ABSTRACT	ii
INTRODUCTION	1
DETAILS OF TEST	1 .
DISCUSSION	1 - 2
REFERENCES	3
APPENDIX A	4
Legend	4
Tables I - XIV	4 - 46
DISTRIBUTION LIST	47 - 49
DD FURM 1473	50

#### I. INTRODUCTION

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In December 1964 the Coating and Chemical Laboratory initiated a tropical exposure program on specification finishing systems for aluminum and magnesium to determine where coating improvements are needed and to provide user activities with information on the most effective systems available for the protection of their equipment. The finishing systems included chemical, anodic, and wash primer surface treatments; primers specified in MIL-STD-171 (1) for these metals; several other specification primers that have also been used for these metals; and an experimental epoxy primer. Finish coats were specification lustreless, semigloss, and gloss alkyd resin enamels and a gloss polyamide-epoxy enamel. In September 1967 CCL Report No. 233 (2) was issued covering 26 months exposure. This report is a continuation of that program.

#### II. DETAILS OF TEST

The surface preparation and finishes used are listed in Tables I and II. The 2024 aluminum and AZ31 magnesium test panels were given the applicable pretreatments and then coated with the primers and finish coats. Wash primer MIL-P-15328 was applied to a dry film thickness between 0.2 and 0.3 mil; zinc chromate primers MIL-P-8585 and TT-P-666 at 0.4-0.6 mil. All other primers and finish coats were applied to 0.9-1.1 mils dry film per coat. The panels were exposed at the breakwater and open field sites at Fort Sherman, Panama Canal Zone. (For more detailed information on preparation of the test panels and environmental conditions, see reference 2.)

The panels were examined after periodic intervals ranging from 6-9 menths for the first 5 years and yearly thereafter and rated from 5 to 0 in accordance with Table III and IV. In general, ratings of 5 and 4 are considered to provide satisfactory protection. It is realized that panel evaluation cannot always be clearly defined by numerical rating, particularly when the condition of the specimen falls at the border of two possible ratings. For this reason in most cases the rating of a specimen was not considered complete until it received the same or lower rating for 2 consecutive rating periods. This is of particular concern in ratings of 4 and 3 since the former is considered satisfactory and the latter unstrisfactory. Therefore, until two consecutive ratings were the same or lower the specimen was considered to have the higher rating. A compilation of the ratings for the seven year exposure period is covered in Tables V, VI, VII, and VI!I.

#### III. DISCUSSION

On aluminum, the anodic pretreatment MIL-A-8625 and the chemical film pretreatment MIL-C-5541 are showing excellent protection. The remaining surface preparations were much less effective. Most failures were the result of blistering of the film rather than corrosion. With regard to primers for aluminum, MIL-P-52192 epoxy primer appears to be

the least effective except over anodize where it is comparable to the others and still showing good protection. Over other surface preparations it showed faster degradation at the breakwater than the other primers. Tables IX and X tabulate the number of months exposure at each site before one or more condition dropped below a rating of 4 and Table XI lists those systems that maintained a 4 or better rating after 7 years.

With magnesium, severity of failure between sites was much more pronounced than with aluminum. Failures at the breakwater were for more severe and were primarily by corrosion at the score, and in sole instances on the panel surface, whereas those in the rain forest were primarily film blistering on the panel surface. Differences noted between systems in the rain forest are much less than those at the breakwater. The anodic pretreatments MIL-M-45202, Types I and II and the dichromate MIL-M-3171 are the most effective after seven years. Galvanic anodize, MIL-M-3171 Type I, was next most effective followed by chrome pickle and scaled chrome pickle MIL-M-3171 Types I and II respectively. Wash primer, using 1/2 acid content to minimize gassing when applied over magnesium, was ineffective at the breakwater. It is effective with some of the systems in the rain forest. Subsequent to this a series exposed to determine if full acid content would improve performance, showed basically the same results.

Although only one of each set of magnesium panels was scored at the breakwater because of the concern over the reactivity of magnesium in a salt laden atmosphere, the data on score condition is still considered meaningful since the development of edge corrosion on the panels showing signs of failure very closely correlated with that of the scored panel. For example where a panel had 1/8 inch corrosion at the score the unscored panels in most cases exhibited 1/8 inch corrosion from the edge. With regard to primers, MIL-P-52192 epoxy primer was again the least effective at the breakwater except over the dichromate treatment where it is comparable. In the rain forest, except for the MIL-P-273'6 which blistered over all pretreatments at the 12 month inspection, the differences are not as pronounced. Tables XII and XIII tabulate the number of months exposure at each site before one or more rating condition dropped below 4 and Table XIV lists those systems rated 4 or better at both sites after 7 years.

The data obtained in this study to date shows that finishing systems are available to protect aluminum and magnesium from commons. It is planned to continue annual ratings of the remaining test panels and to issue a further progress report after 10 years exposure.

#### IV. REFERENCES

- 1. Military Standard 171, "Finishing of Metal and Wood Surfaces".
- Sandler, Melvin H. and Cohen, M., CCL Report No. 233 "Tropical Exposure of Finishing Systems for Aluminum and Magnesium", September 1367.

#### APPENDIX A

#### LEGEND FOR TABLES V - VIII

C/B - Corrosion and/or Blistering

U - Undercutting

Sur - Surface Condition

R 6, 12, etc. - Removed after noted number of months

SR 6, 12, etc. - Scored panels only removed after noted number of months

## TABLE I

## SURFACE PREPARATION - FINISHES ON ALUMINUM

Surface Preparation	
Solvent Clean	1:1 by volume aliphatic naphtha (TT-N-95) ethylene glycol momoethyl ether (TT-E-781)
MIL-M-10578	Metal Conditioner and Rust Remover (Phosphoric Acid Base)
MIL-C-5541	Chemical Films and Chemical Film Materials for Aluminum and Aluminum Alloys, Type !!, Grade C, Class 2.
MIL-A-8625	Anodic Coatings for Aluminum and Aluminum Alloys (Type I, Class 1)
MIL-P-15323	Primer Pretreatment (Formula 117 for Metals)
Primers	
MIL-P-8585	Primer Coating, Low Moisture Sensitivity
TT-P-666	Primer Coating, Zinc Yellow (Zinc Chromate) for Aluminum Surfaces
MIL-P-15930	Primer, Vinyl-Zinc Chromate Type
MIL-P-52192	Primer, Coating, Epoxy
TT-P-664	Primer Coating, Synthetic, Rust Inhibiting, Lacquer Resisting
MIL-P-11414	Primer Coating, Lacquer, Rust Inhibiting
MIL-P-23377	Primer Coating, Epoxy Polyamide, Chemical and Solvent Resistant
TT-E-435	Enamel, Semi-gloss, Rust Inhibiting
CCL 496-21	Experimental Epoxy
Finish Coats	
TT-E-489	Enamel, Alkyd, Gloss (for Exterior and Interior Surfaces)
TT-E-527	Enamel, Alkyd, Lustreless
TT-E-529	Ename <sup>1</sup> , Alkyd, Semi-gloss

## TABLE 11

## SURFACE PREPARATION - FINISHES ON MAGNESIUM

Surface Preparation	
M!L-M-45202	"Magnesium Alloys, Anodic Treatment of"
	Type I Class C, Light Green Coating Type II Class D, Heavy Coating, Dark Green
MIL-M-3171	"Magnesium Alloy, Processes for Pretreatment and Prevention of Corrosion on"
	Type I Chrome Pickle Treatment Type II Sealed Chrome Pickle Type III Dichromate Treatment Type IV Galvanic Anodizing Treatment
MIL-P-15328	Primer Pretreatment (Formula 117 for Metals)
Primers	
MIL-P-8585	Primer Coating, Low Moisture Sensitivity
MIL-P-15930	Primer, Vinyl-Zinc Chromate Type
MIL-P-52192	Primer Coating, Epoxy
MIL-P-27316	Primer Coating, Epoxy, for Metal Surfaces
MIL-P-23377	Primer Coating, Epoxy Polyamide, Chemical and Solvent Resistant
CCL 496-21	Experimental Epoxy Primer
Finish Coats	
TT-E-489	Enamel, Alkyd, Gloss (For Exterior and Interior Surfaces)
TT-E-527	Enamel, Alkyd, Lustreless
TT-E-529	Enamel, Alkyd, Semi-Gloss
MIL-C-22750	Coating, Epoxy-Polyamide

# TABLE !!!

## SCORE

# 1. Score Condition

Rating	Corrosion and/or Blistering
5	None - 1/32 inch
4	1/32 - 1/16 inch
3	1/16 - 1/8 inch
2	1/8 - 3/16 inch
1	3/16 - 1/4 inch
0	> 1/4 inch

# II. Undercutting at Score

Rating	
5	None-intermittent
4	Continuous to 1/16 inch
3	Continuous to 1.16 - 1/8 inch
2	Continuous to 1/8 - 3/16 inch
1	Continuous to 3/16 - 1/4 inch
0	Continuous > 1/4 inch

# TABLE IV

## SURFACE CONDITION\*

Rating	Α.	Corrosion Alone (ASTM D 610)
5		None
4		ASTM Photo No. 10, Type I
3		ASTM Photo No. 9, Type I
2		ASTM Photo No. 8, Type i
1		ASTM Photo No. 7, Type I
Đ		ASTM Photo No. 6, Type I
Rating	В.	Corrosion Accompanied by Blistering (ASTM D 610)
5		None
4		Trace, less than 5 defects on $4 \times 12$ inch panel
3		ASTM Photo No. 8, Type 2
2		ASTM Photo No. 7, Type 2
1	•	ASTM Photo No. 6, Type 2
0		ASTM Photo No. 4, Type 2 or worse
Rating	С.	Blistering Alone (ASTM D 714)
5		None
4		Trace ASTM Blister Size 2 on 4 x 12 inch panel - 2 max. ASTM Blister Size 4 on 4 x 12 inch panel - 4 max. ASTM Blister Size 6 on 4 x 12 inch panel - 6 max. ASTM Blister Size 8 on 4 x 12 inch panel - 8 max.
3		ASTM Few - Record blister size
2		ASTM Medium - Record blister size
1		ASTM Med-Dense - Record blister size
0		ASTM Dense - Record blister size
		1

· TABLE V ALUMINUM - BREAKWATER

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	Metal P	System No.					,	თ							•				0					

TABLE V - (CON'T) ALUM!NUM - BREAKWATER

			•				ALCE	ALOFI ( NOIT	טוור	חשטיים	ן :				-			İ
X to Y	Preparation	l		Ňυ	Solvent Cleaned	ئط	M ! L-	M! L-M-10578	78	MIL	MIL-C-5541	141	M11-/	MIL-A-8625		H H	M1L-P-15328	328
1	Sys	System								100	•		ر م			Score	61	
System	Primer	Top-	Months	Score C/B	္ပါ၁	Sur.	300re 1/8/1	1_	Sur.	2/3	د اد	Sur.	2/8/2		Sur.	1 8/2		Sur.
			9	c	0	5	0	0	5	5	5	5	rv -	5		2	5	r.
			12	0	0	٧.	0	.0	٧.	72	2	~	72	ıo	2	72	2	2
			19		R 12		0	0	2	٣	m	2	7.	10		0	0	2
			26	1	1	ı		R 19		٣	٣	72	4	<b>-</b>	ۍ.	0	0	5
			33	ı	ι	1	ı	ı	ı		R 26		2	72			R 26	
Ξ	52192	527	42	ı	1	,	ı	1	<u> </u>	٠,	1	ı	5	15		ı	1	
			84	1	•	1	ı	1		1	ı		4	<b>-</b> 37		ı	ı	
			5,4	1	1	1	1	i	ı	:	,	1	2	5	2	ı	1	ı
			09	1	ı	ı	ı	!	1	ı	1	1	7	. 2	-2	1		ı
			72	ı	1	,		1	1	1	1	ı	4	4		t	ı	1
			84	:	1	1	1	'n	1	1	1	ı	ح.	72	5		1	,
			٥	2	2	5	0	0	5	4	4	5	5	2	5	2	2	2
			12	0	0	2	0	0	2	-	-	77	72	2	2	0	0	2
			19	<u> </u>	R 12			R 12		7	7	2	ស	2	2		R 12	
			26	í	1	ı	ı	ı	1	-		2	4	4	2	ı	ı	ı
			33	ı	ı	ı	1	1	ı		R 26		2	72		1	ı	ı
: 5	52192	489	42	1	1	i	i		ı	1	ı	;	2	2	2	1		ı
			84	ı	£	ı	ı	ı	ı	1	ı	ı	-7	4	ح-	:	ı	ı
			54	ı	t	í	1	ı	1	ı	ı	ı	5	ις	2	ı	1	ı
			09	1	:	i	ı	1	ı	1	ı	ı	Ŋ	2	٠.	ı	i	1
			72	ı	1	ı	ŧ	t	ı	ı	ı	ı	, 7	†	2	ı	ı	ı
		_	84	1	1	ı	t	ı	;	ı	;	ï	5	2	5	ı	i	i I
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TABLE V - (CON'T) ALUMINUM - BREAKWATER

328		Sur.	77	2	Ŋ	r.	'n		ı		ı	ı		5	ۍ	2	z,		ı	ı	1	f	ı	
M1L-P-15328			2	_	_	0	0	R 33	ı	ı		ı	ı	5	2	0	0	R 26	ı	ı	i	ı	,	
MIL		Score C/B L	2	_	_	0	0		i	ı	1	1	1	5	72	0	0		ŧ	ı	t	ı	1	
25		Sur.	ιν.	2	72	2	2	2	2	2	2	Ŋ	5	5	2	2	72	2	2	72	2	2	2	5
M11-A-8625		<sub>0</sub>  ⊃	r.	72	4	4	2	2	'n	2	2	2	5	5	72	4	4	2	2	5	2	ιV	2	5
X	<u> </u>	Score C/B	2	72	4	4	rv	₽	۲۷	۲۷	ħν	2	₽.	5	2	4	4	2	2	Ŋ	Ŋ	ıv	ιν	2
41	+	Sur.	5	2	2	'n	5	٠v	5	2	٦	2	rv.	2	2	2	z,	in	2	2	2		1	1
MII -C-5541		1_	5	2	4	7	4	ស	'n	72	4	٣	4	2	u١	4	4	4	2	2	m	R 54	1	,
DIEANWALEN MII-C-		Score C/B	5	72	4	4	4	72	2	ĸ	4	m	4	5	2	4	4	4	2	5	٣		1	-
	2	Sur.	5	2		ı	ı	1	ı	1	ı	í	,	in	2	2	٠	v	2	5		ı	ı	-
M11-M-10578		I_	5	ö	R 12	;	1	ş	1	,	ı	1	ı	2	2	2	٣	٣	~	2	R 117	1	1	-
ALUK MII		Score C/B	5	O		ı	ı	1	ı	ı	1	ı	1	2	72	7	3	ω	ω.	2		1	1	,
	<del> </del>	Sur.	5	2	۲۷	5	80		ı	ı	1	ı	1,	C2-4	<i>ي</i> .	B3		1	1	1	1	1	 I	
Solven.	מוני	1-	5	_	0	0	0	R 33	ı	ŧ	ı	,		2	0	0	R 19	ı	1	ı	ı	ı	1	
13.5	3	Score C/B	5	_	0	0	0		i	ı	ı	ı	ı	72	0	0	_	ı	ı	1	t	ı	1	,
	† <del>-</del>	Months	vo	12	6.	26	33	42	847	54	09 .	72	84	9	12	19	26	33	42	43	54	09	72	84
	System	Top- coat		-				529								•			529	-	-			
	Syste	Primer					,	. Exp	Ероху										664					
40	שפני	System No.						13											7!		-	,		

TABLE V - (CON'T)

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	5328		Sur	2	ĸ	2	rv		1	ı	1	1	1	1	2	2	Ŋ	S		ı	1	1	1	ı	
	M1L-P-1		c e	2	7	0	0	R 26	ı	ı	ı	ı	1	1	2	4	٣	0	R 26	ı	ı	:	1	ı	,
	H H		Score C/B	r.	2	O	0		ì	1	1	ı	•	1	r.	4	4	0		ı	ı	ı	ı	t	,
	525		Sur.	ın	2	2	2	22	2	r.		ı	1	ı	2	77	2	2	ۍ	2	ιν	2	2	2	-2
	M1L-A-8625		دا ه	5	2	4	4	~	7	2	ي. ئ	ı	ı	1	2	2	2	4	2	2	2	2	2	٦.	2
	<u> </u>		Score C/B U	ιΛ	2	4	7	٣	7	2	-	ı	1	ı	7	2	٦	<b>4</b>	5	5	2	2	2	2	2
	141		Sur.	- <u>-</u>	2	2	2	יי	5	ۍ	2	2	2	r.	2	u,	2	2	2	72	2	2	:rc	2	2
	M1L-C-5541		را دا	5	2	7	Μ	٣	4	4	4	4	2	~	12	2	5	4	2	2	2	2	2	4	2
VATER	MIL		Score C/B	5	2	7	٣	٣	4	4	<b>†</b>	4	2	αı	2	2	ω	4	r,	72	2	2	2	4	v
BREAKWATER	8,		Sur.	5	2		1		1	1	1	1			2			5	2	2	2	2	- 2	٠	· -
1	-1057		1	5	0	12					1		ı	1	5	22	22	. <b>.</b>	2	Ŋ	2	23	72	7	~
ALUMI NUM	M1L-M-10578		Score C/B L	5	0	<b>c</b> .				·i	1	ı			5	5	ιη.	4	'n.	77	2	77		7	7.
ALU	Σ	_		4	7																			- —	<u>`</u>
	en t ned		Sur	C2-4	C2-4	~	ı	ı	ı	1	ı	1	1	i	2	2	5	Ω	2	72	2	5	2	5	5
	Solvent		n o	5	၁	F 12	ı	ı	ı	ı	ı	1	ı	1	5	2	5	<b>-</b> 3	5	Ŋ	2	2	72	2	2
			Score C/B	5	٥		;	ı	ı	1	1	ı	ı	ı	2	2	₽	4	2	72	5	7	5	2	2
•			Months Exposure	9			_	~~					<u> </u>		9										
			Expo	w .	12	19	26	33	42	48	54	09	72	84		12	19	26	33	747	48	54	9	72	84
	_	em	Top- coat					_	529			_							-	529					
	atio	System					•		4											9					
	Preparation		Primer					,	11414											27316					
	Metal P		System No.						15										· · · · · ·	91	·				

TABLE V - (CON'T)

	5328		Sur.	ιΛ	'n	2	r.		ı	1	1	,	1	5	5	2	2	84		1		ı	1	1	
	M1L-P-15328	ဉ	D	2	0	0	0	R 26	ı	1	ŧ	1	ı	1	5	72	4	2	ત 26	ı	1	ı	ı	ı	
	H	Score	C/B	2	0	0	0		í	ı	1	į	1	ı	5	5	4	7		ı	1	t	ı	1	-
	525		Sur.	цЛ	S	77	2	2	77		Ŋ	2	2	2	5	2	n)	rv.	2		ı	1	,	ı	
	MIL-A-8625	စ္	٥		2	4	7	2	72	īV	7	2	2	7	5	4	٣	0	_	R 33	1	1	1	1	,
	¥	Score	6/8	2	77	4	4	72	Ŋ	2	7	72	5	5	5	4	m	0	_		ı	•	i	ı	.
	145		Sur.	2	5	2	2	72	2	2	2	2	ະກ	rC	5	72	2	2	r.	٠.٧	Ŋ	2	2	2	ار ا
TER	1455-J-11H	e	=	ν.	2	4	4	~	-া	4	4	٣	4	4	5.	ιν	4	4	4	5	4	2	Ŋ	ۍ	5
<b>BREAKWATER</b>	¥	Score	200	2	.5	-7	4	'n	4	4	4	m	4	4	5	r.	4	. 4	4	ιΛ	4	5	2	72	5
	5,78		Sur.	r.	2		:	1	ı	1	1	ı	ı	-	5	5	72		1	1	1	ı	1	1	,
ALUMINUM	MIL-M-10578	υ	∍│	LΛ	0	R 12	ŧ	1	ı	ı	ı	ı	i	1	5	_	0	R 19	ı	ı	•	1	1	ı	
ALU	MIL-	Score	C/B	2	0		ı	ı	1	1	ι	ı	ı		2	<b>,</b>	0		1	1	ı	1	1	1	
	d t	,	Sur.	2	-2		,	1	1	,	1	ı	ı	1	2	7.	٧.		1	ı	1	ı	············	;	-
	Solvent Cleaned	 	5	r.	ú	R 12	ı	ı	ı	ı	ı	ı	1	;	2	0	0	R 19	1	1	1	ı	ť	1	
	ဟ ပ	Score	C/B	7	0		1	ı	t	1	ı	ť	i	ŧ	2	С	0		ı	i	ı	ı	1	1	
		Months	Expo>ure	9	12	19	56	33	42	84	54	09	72,	84	9	12	61	26	33	42	48	54	09	72	48
			+				<del></del>		<u>ئ</u>				<del></del> -			<del></del> ,.				<u>ق</u>					
	<u>5</u>	5	coat						529							•	•			529					
	Preparation	'S	rr.mer						23377											485					
	Metai 2	System	NO.					<del></del>	17			-	•		<del></del>					8	<u>-</u> -				

	FGREST
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TABLE	ALTIMUS W

	328		Sur.	c2-8	c2-6		1	,	1		1	1		1	c2-8	9-23		1	ı	•	ı	1	1	1	
	MIL-P-15328		<b> </b>	5 (	2	12	1	,	1	1	ŧ	ı		ı	5 (	2	12	1	ı	1	ı	ı	1	1	
	MIL-		Score C/B	5	2	.œ	ı		,	1	ı	1	•		5	72	∝	,	ı	1	ı	ı	ı	1	•
	25		Sur.	5	'n	25	5	5	2	25	2	٦,	יני	5	5	ر ک	2	25	2	ν.	2	2	2	2	2
	MIL-A-8625		د ا ه	5 .	rv.	ŗ,	22	Ŋ	2	72	2	ις.	ι.	2	٦٧	rv.	2	22	72	ī	5	72	ın	2	5
	MIL		Score C/B	5	72	72	2	72	5	72	2	гv	'n	2	5	7.	Ŋ	2	72	72	2	ιΛ	תי	2	7
	541		Sur.	5	22	٠.	2	2	2	2	2	2	22	2	5	'n	2	2	22	2	2	2	Ŋ	ۍ	5
	MIL-C-5541			5	rυ	2	2	Ŋ	2	ιν	r.	2	z,	5	5	r,	Ŋ	ស	2	r2	2	2	22	72	2
FGREST	MIL		Score C/B U	5	2	r y	2	Ŋ	2	22	77	2	. 5	2	5	5	22	ς.	5	77	2	2	٣	2	2
RAIN FGI	378		Sur.	5	2	יני	2	2	٦	2	2	22	2	5	5	'n	72	2	2	'n	2	72	2	2	5
¥.	MIL-M-10578		_    -	2	ķ	2	Ŋ	72	ĸ	2	ις	72	2	.5	5	2	2	2	ιΛ	īν	2	w	2	2	77
7. 32	× -1		Score C/B U	2	Ŋ	Ŋ	72	2	2	2	77	2	rV.	5	5	2	2	Ŋ	ۍ	7	22	2	5	2	۳.
ALUM!	t gd		Sur.	01-6		ı		1.	ı		1	ı	1	١.	c1-6	-	<u>'</u> .	,	:	1	1	,		ı	1
	Solvent Cleaned		္စုဂ	2	R 6	t	1	•	ı	i	t	1	ı	ı	٠	R 6	ı	ı	ı	t	t	1	1	ı	.
	S C		Score	'n		1	ı	1	:	:	1	ı	1	1	ıŲ		ı	i	ı	ı.	ı	1	1	ı	٠
			Months Exposure	9	12	19	56	33	42	. 84	. <del>4</del> 5	09	72	84	8	12	6	26	33	42	84	54	09	72	84
•	uo	tem	Top- coat		**************************************				529											527			ente en	-	
	Preparation	System	Primer					,	8585	•										8585					
	Metal P		System No.					<del></del>		•								•		7		,			

TABLE Vi - (CON'T)

	M1L-P-15328		Sur.	C2-8	<b>c</b> 2-6		ı	ı	,	ı	ı	ı	ı	ı	2	72	72	7	ĸ	2	M	rv	ري.	5	r.
	-p-1		داه	5	72	R 12	1	1	1	ı	1	1	1	ı	5	Ŋ	r.	7	55	₽.	Ŋ	ιν	z	5	5
	MIL		Score C/B	5	2		ı	1	ı	ı	,	ı	t	ı	5	r.	2	7	5	2	72	7	5	7	ru.
1							<u> </u>								-	<del></del>			<b></b>						
	3625		Sur	5	3	Ŋ	z,	r.	'n	72	ιν	īζ	'n	ស	5	ιν	, LC	'n	Ŋ	'n	5	rv.	ή	'n	5
	MIL-A-8625		n n	5	٦Ċ,	S	5	2	ß	2	rv	5	'n	5	2	Ŋ	7	٠٧	2	7	2	'n	rv	nJ	5
	MIL		Score C/B L	5	72	Ŋ	2	72	Ŋ	2	ιν	rv	2	7	2	ιν	Ŋ	5	2	7	'n	'S	ĸ	r,	5
	=		Sur.	5	2	2	2	2	r.	7	2	r.	2	2	2	2	77	5	2	2	2	2	2	2	-2
	MiL-C-5541		1																						
FOREST	3-7:		Score C/B U	72	7	77	ιΛ	ιν	ιν	77	rV	÷U.	rv	ιν	. 5	Ω	ιΛ	72	Ŋ	цЛ	rv	ľ	ιΩ	'n	5
	Σ		S/2	5	3	7	Ω.	Ŋ	2	.rv	ιν	7	u	Ŋ	5	ι.	ς.	ιĊ	ī.	72	īV	5	ī.	r2	5
RAIN	378		Sur.	5	2	77	2	2	. 5	2	2	5	เก	2	5	2	2	עי	'n	5	'n	L٦	2	22	5
- M	-10		<u> </u>	5	. 5	2	2	2	Ī	5	5	2	2	rv.	5	2	7	2	2	2	2	2	2	2	2
ALUMINUM	M1L-M-10578		Score C/B L	5	r2	22	2	2	٠.	2	r2	2	Ŋ	2	rv.	2	2	Ŋ	rZ.	ιΛ	2	2	21	r.	5
AL	- 2	$\vdash$		9-									~·		8										
	nt ed		Sur	:		1	i	1	ı	1	ı	ı		1.	-(3		ı	:	ı	1	1	ı	1	1	,
	Solvent Cleaned		دا	2	R 6	1	ı			ı	t	ı			5	R 6	ı		1	ı	:	t	1	ı	,
	ഗ് വ		Score C/B U	5		3	1	1	.1	ı	ı	s	٠,		5		1	1	ı	1	ı	ı	1	ı	,
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			Months Exposure	9	12	6	56	33	42	48	54.	9	72	84	9	7.5	<u>.</u>	56	33	42	48	54	09	72	84
			ж Х						ــــ صغراء						•										
		E	Top- coat						489											529					
	ion	System							7											Ω.					
	ara(	S	Primer						8585											999					
	Preparation				٠,			,	∞,											<u></u>			· <del></del>		
	Metal		System No.						m											2			,		
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TABLE VI - (CON'T) ALUMINUM - RAIN FGREST

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ľ	28		Sur.	2		77	ĮΩ.	2	٠ ب	2	72	2	2	5	2	5	2	2			•	,	1	,	
	MIL-P-15328			2	2	7	4		Ŋ	Ŋ	72	72	<b>.</b> 3	5	rv	υ L	2	2	56	ı	1	ı	1	1	
	HIL-	2000	2005 C/B	5	<u>د</u> .	۳.	4	5	17	ιν	2	2	4	5	5	Ŋ	_		<b>~</b>	ı	ı	ı	ı		
-	-		Sur.							<del></del>		· •		5	5	رم د		٠.						<u></u>	2
	MIL-A-8625		,	.v	Ŋ	Ŋ	un.	ш\	ш,	w	ιν	Ω.				•	<b>~</b> `								
	11L-A	1	c/B U	7.	. 5		ıv	77	5	5	5 5	ίζ.	75	5 5	5 5	5 5	5	5	5 5	5 5	ή . η	5 5	<b>7</b>	м,	5 5
	-	. c	-:		īv	<u>~</u>	<u>~</u>						•												
İ	541		Sur	72	2	5	'n	7	7	ī,	5	r.	īV	ī	5	7	7	2	'n	2	84	rv	2	Ŋ	2
ī	M1L-C-5541		့ =	5	5	2	4	2	7	rv.	72	rv	'n	rv.	5	2	4.	77	4	2	m	4	٣	0	R 7
FOREST	Σ	•	Score C/B l	2	77	77	4	2	₩,	7	rv	ī,	5	2	5	7	4	4	4	5	m	4	Μ	0	
RAIN	78		Sur.	2	2	5	2		1	ı	1	,	1	ı	5	2	2	2		:	1	1	1	ı	:
- W	4-105		ادا	'n	ۍ.	m	0	R 33	1	ı		ı	ı		ιν̈́	r,	0	0	R 26	ı	1	ı	ı	1	
ALUMINUM	MIL-M-10578	,	Score C/B	'n	rv	m	0		i	1	1	ı	1	1	2	7.	0	0		1	t i	t	ı	ı	1
AL			Sur.	ري د	5	72	22-8	r.	2	2	5			1	2	77	2	ري م	<del></del>	1	1	<del></del> -	1	1	,
	Solvent Cleaned			5	r.	7	3	7	۲۷	0	m	2	9		5	ĸ	_	0	56	ı	ı	t	1	t	
	Sol Cle		Score C/B U	\$	2	4	m	Ŋ	'n		٣	7	مر	í	5	72	_	0	α:	t	ι.	ı	,	1	
								<del></del> -		<u>.</u>			<del></del> ;				<del></del> ,						<b></b>		
`			Months Exposure	9	12	6	56	33	42.	43	54,	9	72	84	9	12	61	56	33	42	48	54	9	72	84
								<u></u>			··		·	·											
•	Ę	tem	Top- coat						489								•			529					
	Preparation	System	Primer						15930											52192					
	Prepa		Pri	ŀ				<u>,</u>	15		·	,			_					52					
	Metal		System No.				•		σ											10					

TABLE VI - (CON'T). ALUMINUM - RAIN FOREST.

5328		Sur.	2	<b>ب</b>	77	'n	rv.	2	77	2	77	Ŋ		5	rv.	īV	77		ι	ŧ	ı	1	1	1
M1L-P-15328		ဥြ	5	2	2	2	гJ	2	2	ĸ	4	4	'S	5	2	٣	0	R 26	ı	ı	1	1	1	ı
H	,	500re 5/8	5	2	٠.	2		22	5	N	4	4	2	5	rU	۳ ,	0		ı	ŧ	1	1	ı	1
1625		Sur.	·	2	2	rv.	2	2	2	2	2	2	'n	5	٠,	'n	2	ιν	5	72	īV	Ŋ	rv	2
M1L-A-8625			72	2	2	72	22	5	72	rv.	72	Ŋ	2	5	5	'n	2	5	5	r2	7	2	5.	22
Ē		Score C/B		22	22	2	2	וח	. 2	5	20	22	2	2	2	2	2	2	5	2	'n	īV	5	5
541		Sur.	·rv	72	ĸ	2	rv.	r.	2	72	'n	72		5	2	2	2	72	2	22	2	2	2	5
MIL-C-5541		د او	rc.	22	2	4	15	7	4	5	'n	_	R 72	5	Ŋ	2	4	2	2	4	7	4	m	5
MIL		Score C/B	5	72	5	4	2	4	. 4	2	72	÷		5	₽.	Δ.	4	72	2	4	Ω.	4	m	5
578 MI		Sur.	5	2	7.	ιη	2		ı	ŧ	1	ı	, '	.5	2	2	2		·	<u> </u>	ı	1	1	
.   우		o O	5	ო	m	0	0	R 33	ı	1	ı	ı	ı	2	4	_	.0	R 26	ı	ı	ı	1		,
MIL-M		Score C/B	5	<b>~</b>	m	0	0		1	ı	ı	1	1	5	4	-	0		ı	•		1	1	
1		Sur.	5	Ş	2	ιν		ı	1	ı	ı	ı	ı	5	2	2	72		'	1	1	,	ı	,
Solvent		داه	5	m	0	0	R 26	ı	1	1	1	1	ı	4	٣	_	0	R 26		ı	ı		ı	
က် ပ		Score C/B L	. 72	٣	0	.0	*	ı	1	ı	ι.	1	1	4	m	-	0		1	1	ı	ı	ı	
		hs										•	•		<del></del>	• .	_							
		Months Exposure	9	12	<u>6</u>	26	33	42	48	54	9	72	84	9	12	9,	26	33	42	48	54	9	72	84
	ε	Top- coat						527	···				<del>-</del>						489					
tion	System											•												<i>!</i> 
repare		Primer				•	,	52192											52192					
Metal Preparation		System No.			<del></del> -			=											12					

TABLE VI - (CON'T) ALUMINUM - RAIN FOREST

Months Score Source Source C/B U Sur. C/C U			,		9
Score C/B U Sur. 5 5 5 5 4 4 5 1 1 5 0 0 5	MIL-M-10578	M1L-C-5541	MIL-A-8625	MIL-P-15328	œ
5 5 5 5 4 4 5 5 4 4 4 5 5 6 6 6 6 6 6 6		9700	Score		
5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	c/B U Sur.	c/B U Sur.	c/B U Sur.	S U 8/3	Sur.
4 4 4 5 0 0 0 8 26 1 1 1 5 1 1 5 1 1 1 5 1 1 1 1 1 1 1 1	5 5 5	5 5 5	5 5. 5	5 5	2
1 1 5 0 0 0 5 R 26 7	4 4 5	5 5 5	5 5 5	יט	z,
0 0 5 8 26 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 1 5	5 5 5	5 5 5		r.
R 26	0 0 5	5 4 4	4 4 5	۳ ۳	rv.
5 2 C2-4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 26	4 4 5	4 4 5	т М	72
5 2 C2-4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 I	5 5 5	5 5 5	0	
5 2 C2-4 5 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1	4 4 5	5 5 5	Ö	2
5 2 C2-4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	5 5 5	5 5 5	R 48	
5 2 C2-4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	5 5 5	5 5, 5,	1	,
5 2 C2-4 R 6	!	3 3 5	. 5 5 5	1	1
5 2 C2-4 R 6	1	4 4 5	5 5 5	1	
1 1 1 1 1 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4	5 5 5	5 5 5	5 5 5	5 5	5
1 1 1 1 1	5 5 5	5 5 5	5 5 5	2	2
1 1 1 1	5 7 7	5 5 5	5 5 5	O 7 7	<b>8</b> ≯03
1 1 1	4 4 5	5 5 5	5 5 5	) † †	C0 <b>&lt;</b> 8
1 1	5 5 5	5 5 5	5 5 5	R 26	
84	5 5 5	5 5 5	5 5 5	1	,
	5 5 5	5 5 5	5 5 5	1	,
54	4 4 5	5 5 5	5 5 5	1	
09	4 4 64-8	5 5 5	5 5 5	:	
72	3 3 5	1.0 1.0 1.0	5 3 5	1	
48	. 5 5 5	5 5 5	5 5 5	1	,

TABLE VI - (CON'T) ALUMINUM - RAIN FOREST

TABLE VI - (CON'T) ALUMINUM - RAIN FOREST

				Š	Solvent		AL UM I N UN		-	- CINES								9
Metal P	Preparation	on		ပ	Cleaned	þe		MIL-M-10578	28	H H	M11-c-5241	541	H H	M1L-A-8625	525	뒴	MIL-P-15328	328
	Sys	System Top-	Months	Score	اها		Score	-    -	3	Score	= ر		Score	= ه	Sur	Score C/B	<u> </u>	Sur.
So.	Primer	coat	Exposure	3	-	In	2		;	3	, ,	'		١,	,	L	١.	.
			9	2	Ŋ	Ŋ	ι.	ស	'n	'n	Ŋ	<u>~</u>	<u>م</u>	v	<u>~</u>	v	Λ	v
			12	4	4	2		2	ري س	2	ς.	2	Ņ	2	2	7	rv.	Ŋ
			19	7	7	25	0	0	'n	7	2	ιΛ	2	2	72	m	m	s,
			26	0	0	;v		0	'n	2	2	١٠.	2	2	7.	רח	m	2
•			33	0	0	25	0	0	2	72	2	77	2	72	22	m	m	72
17	23377	529	42		R 33			R 33		ī.	ιv	'n	ام	<b>.</b>	Ŋ	4	4	2
			84	ı	1	,	ı	1	ı	4	4	Ŋ	Ŋ	ľ	84	~~	~	2
			.54	1	•	1	ı	ı	ı	'n	Ŋ	77	2	22	Ŋ	'n	~	ιν
•			09	ı	1	1	1	i	,	4	4	77	4.	4	2		R 54	
			72	1	1	1	ı	1	ı	4	4	C4 <b>&lt;</b> 8	4	7	r.	ı	,	ı
			84	ı	1	1	ı	,	ı	7	2	5	2	5	5	'		,
			9	2	ısı	c2-8	2	2	5	2	5	5	2	5	5	w	2	2
			12	5	2	9-03	4	4	5	2	72	7.7	'n	2	rλ	'n	2	rv.
		•	91		R 12		-	_	2	4	4	2	4	4	r,	m	m	72
			56	:	1	ı	0	0	22	~	4	5	4	4	7	<b>-</b> ‡	4	ιν
			33	ı	1	ı		R 26		4	4	2	7	4	'n	4	4	2
18	485	529	745	1	ı	,	1	1	1	2	2	2	m	3	77	4	4	5
			84	ı	ı	ı	1	ı	ı	m	m	83	7	4	Ŋ	7	4	2
	****		54	i	:	1.	ı	ı	ı	4	4	C4 <b>4</b> 8	2	72	25	4	4	2
•			09	1		ı	ı	1	ı	m	m	C2-8	7	4	2	0	0	2
			72	1	ı	ı	t	1	ı	<b>6</b> '	,7	7.	. 4	4	25		R 60	
			84		1		ŧ	ı	ı		R 72		4	4	2	ı	ı	'n
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TABLE VII

The second secon

			1											1										1
5328		Sur.	2	2	5	2	5	R 33	•	•	t	•	•	2	5	5	ß	5	R 33	1	•	•	•	٠
MIL-P-15328		Score C/B U	0	SR 6	1	1	1	1	1	•	1	1	.'	0	SR 6	1	•	1	1	1	1	•	1	'
-		Sur.	2	2	۲۷	5	۰.	٧.	2	2	٠,	· ~	2	2	۰.	2		2	2	r.	2	ın	— 44	476
	Type 1V	   	2	2	s		4	4	7	4	7	4	-7	2	ž	5	7	2	٣	<b>.</b>	٣	77	4	7
		Score C/B	2	2	'n	7	4	7	-#	7	-3	7	-7	2	2	2	7	2	٣	-7	~	-3	-7	7
	=	Sur.	2	2	Ŋ	2	'n	'n	2	2	2	2	2	2	2	N	Ŋ	2	S	5	٠	2	A4	2
	Type	Score C/B U	2	ς,	'n	7	-7	4	<b>4</b>	-7	4	-37	7	2	Ŋ	ς,	4	Ŋ	4	4	-7	4	<b>4</b>	4
_	_	<u>. ا</u>	2	-		<del>-</del>	-	4.	- 7	-7	- <del>-</del>	-7		2		- 2	<b>4</b>	- 2	- <del>-</del>	-7	7	7 7	7	7
HIL-H-317	=	Sur	2	5	ĸ	Ŋ	Ŋ	Αţ	ς,	'n	A4	A4	ζ.	2	5	ß	ĸ	Ŋ	A4	B4	A3	R 54	•	'
HIL	Type	Score C/8 U	5 5	5 5	5	7 7	4 4	3	SR 42	1	1	'	,	5 5	5 5	7 7	7 7	4	7 7	SR 42	,	1	1	1
		Sur.	<del> </del>		2		2	2	25	5			ارد در	5	2	25	٠.	84	<u>-</u>	84	A4		83	B3
BREAKWATER	-	1_		٧.	4	_	2	0	42	ı	,	,		7	9	,	1	,		,		1	,	
	Type	Score 5/8/3	2	2	-7	_	7	0	SR	ı	,	,	ı	4	SR	1	,	•	1	1		1	1	<u>'</u>
- MI	<u>-</u> a	Sur.	2	5	īV	84	5	'n	5	5	5	2	84	2	2	84	2	83	ρĄ	84	83	R 54		
MAGNES I UM 02	as s	1 1_	2	2	4	7	7	4	4	4	4	m	4	2	2	4	4	4	4	7	4	54		
M HIL-H-45202	- O	Sione (	2	2	- <del>-</del>	-⊅	-3	7	-3	4	- <del>-</del> -	m	- <del>7</del>	2	-2	7	4	4	- <del>7</del>	4	<b>4</b>	S,		<u> </u>
HIL-Y	_	Sur.	2	ζ.	ν.	ß	Ŋ	ß	5	'n	5	Δ.	Ŋ	2	5	٠	5	4	Ŋ	s	C4-8	84	<b>A4</b>	83
	Type	Score C/8 U	2	w	<b>-</b> 7	4	4	4	<b>-</b> \$	7	-7	٣	SR 72	4	SR 6	1	•		•	•	•	•	f	٠
-	_		<del>}</del>			- <del>-</del>		-7	-4	_		<u>~</u>	<u>.</u>	4		' 	<u>'</u>		<u>'</u>	•	-			
		Months Exposure	9	12	19	56	33	42	48	24	9	72	<b>9</b> 7	9	13	19	56	33	42	84	54	9	72	78
rion	E	Top- coat							529										489					
Metal Preparation	System	Primer	1						15930										15930					
Hetal		System No. F	├-	<del></del>					_										2					

TABLE VII - (CON'T)

000			Sur.		'n	ۍ	ν.	2	ν.	R 33	,			,		5	2	R 12				1		1		
			ادا		٣	9			ı	1	ı	ı			,	0	9					1	1		1	,
0000	1	,	c/B U		m	SR		•	1		•		•	•	1	0	SR	•	•	•		ı	1	•	ı	•
	1		Sur.		ν.	Ŋ	'n	2	s	2	'n	s	2	74	2	2	۷.	'n	מו	2	2	2	2	'n	25	84
		Type 1V	ادار.		Š	2	2	<b>.</b> 7	5	<b>-</b> 7	-3	<b>-</b> ‡	4	٣	4	2	4	~	٣	_	0	42		·		
		Ţ	Score C/B		S	Ŋ	Ŋ	4	2	-3	47	4	4	٣	4	2	4	٣	٣	-	0	SR	•	•	•	•
		Ξ	Sur.		٧.	2	Ŋ	s.	٧	5	84	2	2	A4	84	5	U١	ĸ	٧.	v	2	~	r,	v	2	5
		ype			Ŋ	2	S	7	2	4	4	<b>4</b>	4	٣	4	~	7	m	٥.	56	ı	ı	•	1	1	•
		۴	Score C/B U		2	2	2	4	2	.4	7	4	4	~	-3	72	-7	m	0	SR	'	'	1	1	1	
	HIL-H-3171	=	Sur.		2	~	2	ۍ	A3	<b>A</b> 3	R 42		•	•	ı	2	25		5	S	ΑĄ	2	Αţ	٧.	ΑĄ	83
	딒	Type 11	Score C/B U		2	ν.	٣	٣	٣	٣	42	ı	1	ı	•	2	-7	12	•	•	•	٠	٠	•	•	'
		-	Sco C/B		5	٧.	٣	m	٣	٣	SR	1	1	1	1	2	7	SR	'	'	'	'	'	'	'	'
BREAKWATER		_	Sur.		2	2	Ŋ	ĸ	^	2	84	2	84	A4	84	2	~	Ω	'n	2	Α¢	84	Α¢	2	2	83
BREA		Type	Score C/B U		Ŋ	2	4	4	7	٠		٣	<b>.</b> †	٣	-37	2	9 ~	1	1	•	١	•	1	ı	ı	'
:	_		S S		'n	s	<b>₹</b>	7	7	~	-7	~	-7	~	-37	7	SR	'	'	1	'	'	'	'		_
MAGNES I UM		= 0	Sur.		'n	2	5	ν.	5	ĸ	5	5	25	5	5	5	5	5	ĸ	ω.	ιν	2	Ŋ	v.	ς	84
3	2	as as	و ا		٧.	'n	Ŋ	7	2	ĸ	7	ις	2	-\$	4	5	2	-27	٣	4	٣	3 42	1	1	•	'
	-4520		Score C/B		2	Ŋ	'n	7	'n	'n	7	2	2	- <del>-</del> -	77	5	2	-7	<u>~</u>	4	<u>س</u>	SR		'	'	
	M1L-M-45202		Sur.		2	5	ĸ	ß	5	ĸ	84	ß	'n	١٨	84	2	2	5	'n	Ŋ	Α¢	Ŋ	5	S	Ŋ	84
		ype	Score C/B U		Ŋ	5	Ŋ	4	7	7	-7	4	7	٣	4	~	ĸ	٣	Μ	m	m	142	ı	1	ı	٠
		ں حا	S S		2	٧.	2	7	7	₹	- <b>7</b>	4	7	~	-3*	~	Ŋ	~	~	~	~	SR	'	'	'	•
			Months		9	12	61	26	33	42	84	75	9	72	84	9	; 5	19	56	33	42	84	54	9	72	84
	i on		Top-							527											22750					
	Preparation	٦,	Top-	1						15930											15930					
	L TON	Pier	System	į		-				~							<del></del>				4					

TABLE VII - (CON'T)

															ı										
328			Sur.	ĸ	2	2	2	2	2	2	īV	2	<b>C</b> 4	2	5	2	Ŋ	8-00	84	ΑĄ	A3	R 47	•		,
MIL-P-15328		;	داي	٣	9	ı	•	•	•	ı	ı	1	•	1	7	9	ı	1	•	•	•	•	•	ı	ı
HIL			200re C/8 U	m	es es	٠	1	•	ı	'	'	1	1	1	2	SR	1	'	1	•	1	•	•	1	1
		>	Sur.	Ŋ	ιν	ς.	2	'n	'n	Ŋ	'n	rv	5	٧.	2	Ŋ	īV	'n	Ŋ	Ŋ	2	2	2	2	2
		ype	5,00re C/6 U S	m	9	•	•	•	•	•	•	1	1	•	-7	9	•	1	•	•	ı	ı	ŧ	1	,
	L	٦ <u>.</u>	) () ()	<u></u>	S.	·	<u> </u>		'	,	<u>'</u>	' —	'	•	7	S.	1	'	'	<u>'</u>	1	,	•	'	'
		=	Sur.	15	ω	ď	5	2	2	2	5	2	5	Ŋ	5	Ŋ	2	'n	'n	ς.	5	ις.	Ŋ	Ŋ	2
		Xpe	o D	ď	٠	4	٣	4	4	4	4	-3	٣	72	ۍ	2	4	4	<b>4</b> 7	-7	4	-7	4	٣	4
	L	-	.   Score .   C/B U S	ın	٠.	-3	m	77	-4.	77	-₹	4	٣	~ 	2	5	7	7	4	-3	4	-7	-7	<u>س</u>	-7
-3171			Sur	'n	2	(n	Ŋ	84	A3	83	R 47	•	ı	1	2	ß	84	<b>9</b> 4	A2	R 33	ı		•	ı	•
HIL-H-3171		Ype	C/B U	-7	9	•	•	•	•	•	1		•	•	٣	9	1	•	·	•	•	•	•	•	٠
	_		200 C/B	-7	SR	,	'		•	'	1	'	•	'	3	SR	'	1	•	'	,	,	'	'	<u>.</u>
LEB			Sur.	Ŋ	2	2	A2	R 26	•	•	ı		:	ı	5	'n	83	83	A2	R 33	•	,	•	,	,
SE AKW		Type 1	ျှော	٣	9	•	•	•	1	•	•	ı	,	1	ю	9	•	,	•	•	•	1	ı	•	
٩ ا-		-	C/B U	٣	SR	•	'	1	1	•	1	,	1	ı 	~	S.		1	•	•			1	'	<u>'</u>
MAGNESIUM - BREAKWATER		ا	Sur.	5	ß	Ŋ	۲	Ŋ	R 33	•	ı	:	•	1	2	S	Ŋ	22	2	ĸ	8,	A4	ۍ	A4	84
	/pe -	Class 0	ျှာ	ħ	9	•	ı	ı		•	,		•	ı	٣	4	,	ı	•		1		•	,	,
4520	-	٥,	2/3 2/8	47	SR	'	'	1	1	1		,	'	'	3	SR	'	1	•	,	'	,	•	!	'
MII -M-45202			Su .	5	2	2	5	R 26	ı		ı	•	•	1	5	5	2	Ŋ	2	2	2	2	٧	44	B4
	e -	Class C	د ا	8	SR 6	•		•	ı	,	1	ı	ı		٣	9	1		,		•	1			٠
	٢	5	Score C/8 U	3	SR	1	•	1	1	•	•	ı	1	•	٣	SR	•	•	•	•	•	ı	•	1	'
			Months Exposure	9	2	6			~			_	~		9	12	61	· ·	<u> </u>	2	<u> </u>			~	
		:	E X			<u></u>	56	33	42	8+8	75	9	72	ά			<u>-</u> -	56	33	42	84	54	9	72	œ
5			Top- coat						5,0											489					
Motel Preparation		System																							
8			Primer						52192											52192					
No.			System No.						S											9		•			
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TABLE VII - (CON'T)

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5228			Sur.	Ŋ	5	2	2	5	5	2	Ŋ	2	5	٧.	2	2	ĸ	S	2	A4	82	R 47	,	,	
MII -P-15328		Score	/8 U	0	SR 6	•	ı	1	1	•	•		٠	•	0	SR 6	•	•	•	•	•	•	٠		i
Ξ.	<del> </del>		_	<u> </u>	<u> </u>	'		<u>'</u>	<u>'</u>			·		•	°	s 			<u>'</u>	<u>'</u>	<u>'</u>	'	' 	<u>'</u>	<u>'</u>
	:	-1.	Sur.	2	Ŋ	'n	'n	2	Ŋ	'n	2	ď	45	٧.	2	2	5	Ŋ	5	S	2	ß	5	72	Ŋ
	│,	Score	٦ 8	٣	9 ~	ı	ŧ	٠	ı	ı	•	ı	•	•	0	9 ~	١	•	•	•		1	•	ı	ı
	-	<u> </u>	-:	<u>~</u>	S		<u>'</u>	-	1			'	•	<u>'</u>	0	S.	•	'		<u>'</u>	<u>'</u>	<u>'</u>		<u>'</u>	
İ		<b>-</b> ] .	Sur	ω	2	Ŋ	ß	ς.	Ŋ	2	S	īV	s.	5	2	ľ	ĸ	Ŋ	2	72	'n	'n	2	₹.	Ω.
		Score	٥	4	'n	4	٣	47	4	4	4	4	٣	-37	25	4	٣	m	56	ı	•	1	1	1	1
	_	iii	5		2	7	<u>~</u>	7	4,	ব	7	-₹	~	- <del>7</del>	2	<b>₹</b>	~	~	SR	'	<u>'</u>	'	'	'	'
MIL-M-3171			Sur.	A4	Ŋ	83	83	A2	R 33	•	•	•	ı	ı	5	2	9	2	ï۷	A4	84	S	ν.	A4	R 72
115		- 	٦	٣	9	•	•	•	ı	,	•	•	ı	•	2	9	•	1		•	1	ı	•	ı	1
		Score	8 3	٣	SR	1	ı	•	•	1	1	,	1	1	2	SR	•	•	,	•	•	•	•	t	ı
ER			Sur.	5	B4	84	84	ν.	74	83	R 54	ı	,	ı	5	2	2	2	S.	A3	R 42	,		1	ı
BREAKWATER		ore -	اح	7	9	,	1	ı	1	•		ı	ı	ı	2	9	,	ı	ı	,		ı		1	ı
- BREA	,	Score	C/B	7	SR	ı	•	•	•	ı	•	•	1	ı	2	SR	•	•	ı	ı	•	1	ı	ı	1
- 1			Sur.	2	2	S	2	Ŋ	īV	ιν	5	٠,	2	5	5	2	2	2	~	2	2	2	2	4¢	83
MAGNES I UM	Type 11	2	5	m	9	ı					,	ı	1		3	9		,	1	1	,	,	,		ı
H 45202	7	Score	8/3	٣	SR	•	•	•	•	•	•	٠	•	•	3	SR	•	•	ı	•	•	1	•	•	1
PHIL-H-45202			Sur.	٧.	2	'n	2	Ŋ	2	v	v	2	2	5	2	'n	2	S	'n	2	'n	~	Ŋ	A4	84
1	- S		ے	7	9	,		,		,	,	•	,		7	9	1	,			•	,			
	Type I	Scor	8 2	7	SR	•	•	٠.	•	•	,	٠	•	,	2	SR	ı	٠	•	ı	•	•	•	•	•
		ths	Sure	9	01	_			٥.					_									_		
		Months	Exposure		12	5	26	33	42	84	54	9	72	84	9	12	5	56	33	77	48	25	9	72	78
tion		Top-	coat						527											22750					
para		31	ı																						
Metal Preparation			Primer	-					55195					_						52192					
Heta		System	2						~											80					
Į	1	Š	ı											J											

TABLE VII - (CON'T)

328		Sur.	2	ñ	2	5	Ŋ	u	22	A4	44	A4.	84	A4	5	<b>B</b> 3	A3	82	R 33	1		1	•	
MIL-P-15328		Score C/8 U	3	SR 6	1	1	1	1		1	1	1	1	0 0	SR 6	1	•	1	1	1	1	1	1	
-		ı,	A4	83	82	R 19	,	_			_	_	1	- 2	2	84	2	B3	A3	R 42		,		
	2	<u>ار</u>	S A	ω	<b>.</b>	œ								2	2	5 8	~	<u>.</u>	٠ -					
	Type IV	Score C/B U	ν,	SR 6	1			ι	ı		•	•	1	5	5	10	m	7	7	SR 42			•	•
	=	Sur.	2	5	2	2	A4	5	2	2	84	Α4	83	5	15	2	2	2	72	2	٧.	25	2	5
	8i ( ,	Score C/8 U Su	5	2	7	4	. t	7	7	7	4	٣	4	2	ß	m	4	4	7	4	4	4	4	4
		Sco C/B	2	ς.	7	* 	7	4.	7	-₹	-37	m	-7	2	2	<u>س</u>	4	4	7	<b>4</b>	7	4	<b>⊅</b>	7
HIL-K-3171	=	Sur.	Αţ	83	R 12	•	•	ı	ı	ı	•	1	•	5	83	R 12	•	t	•	•	•		•	١
HIL-	уре	Score C/B U s	5	9 ~	ı	•	1	ı	1	1	1	•	•	2	9 ~	•	1	ı	•	1	•	1	1	'
		Sco Sco	2	SR	<u>'</u>	,	'	1	1	1	'	'	'	2	SR	1	'	ı	·	'	'	'	,	<u>'</u>
JATER		Sur.	83	82	R 12		•		t	ı	•	•	1	83	82	R 12	•	ı	•	•	1	•	1	,
ZEAR	Type	Score C/8 U	5	9	1	ı	1	1	1	1	١	1	•	5	9	•	•	ı	ı	ı	•	1	ı	١
£ -		S S S S	'n	SR	ı	<u>'</u>	'	'	'	,	1	1	1	5	s.	'	'	,	'	1	1	1	ı	'
MAGNESIUM - BREAKWATER	- 0	Sur.	2	2	2	52	2	ι.	2	5	84	A4	83	5	S	25	2	2	22	2	A4	84	Ŋ	83
	Type 11 Class D	و ا	ν.	2	4	4	7	7	4	4	4	4	4	5	ī	ß	7	2	2	4	7	4	m	77
4520	- 0	Score C/3 U	5	w 	4	-3	7	7	-7	-=	4	-77	7	5	5	ſ	<b>-</b> ∓	۷.	2	-7	77	7	٣	7
MIL-M-45202	J	Sur.	5	Ŋ	Δ.	ß	Ŋ	5	٧.	5	84	ΑĄ	84	2	2	Ŋ	٧.	ν.	ın	52	₽.	ν.	ß	5
	Type 1 Class C	e o	2	S	4	4	4	7	4	4	7	٣	4	5	Ŋ	ľ	4	Ŋ	7	7	4	4	٣	4
	ن ج	Sco C/8	2	'n	7	4	7	7	7	7	-7	m	4	2	Δ.	۲	7	5	4	4	4	4	m	4
		Months Exposure	9	12	61	56	33	42	48	54	09	72	84	9	12	19	56	33	745	748	54	09	72	84
ation	ea	Top- coat						529											489	-				
Metal Preparation	System	Primer						8585											8585					
Mere		System No.						6					•					-	2				-	

TABLE VII - (CON'T)

1	ı				٠l						~						l							و		0	
0000					Sur.	2	5	84	84	ВÅ	R 33	٠	•	t	•	1	2	2	'n	ß	7	2	5	0-4-C	82	R 60	ı
9	41L-r-15520			Score	اد ا	٣,	9 ~	1	•	1	٠	١	•	ı	•	t	7	9 ~	1	,	1	1	•	1	1	٠	•
				Š	3	٣	SR	•	'	'	'	'	'	1		•	2	SR	1	t	1	1	1	,	1	•	•
			>	i	, Jur	2	83	84	82	<u>8</u>	R 33	ı	-,		•	1	5	'n	2	2	Ŋ	2	2	Ŋ	2	A4	2
			Type IV	Score	>	2	Ŋ	4	4	٣	33	,	,	ı	•		2	5	72	m	5	m	4	-77	4	٣	~
				Sco	8	2	ß	-7	-7	~	SR	•	٠	1	١	1	'n	Ŋ	5	~	'n	٣	4	4	4	٣	m
			=	,	Zur.	ľ	2	84	83	83	R 33	,	,	,	ı	,	5	2	2	2	2	2	w	'n	5	78	2
			/pe	Score	٦	2	S	2	m	٣	33	,		ı	ı		2	2	5	٣	-7	٣	4	-3	4	٣	٣
			f	Sco	2	2	٧	2	m	٣	R.	•	•	ı	٠		'n	ß	5	٣	4	٣	4	4	4	٣	m
					5	82	82	R 12	,	,	,	'	•	ı	ı		2	2	2	٧.	2		2	5	٠,	44	84
	חור-ח-זו		be -	اه	اد	2	9		1		ı				ı		2	2	Ŋ	~	4	٣	4	4	7	7	٣
	١		ř	Score	9	Ŋ	SR	•	•	1	•	•	•	ı	ı	ı	જ	2	ß	m	4	٣	4	4	4	7	3
ا عم					ž.	82	82	R 12	,	,	,	,	,	ı	•	ı	5	10	2	2	2		2	2	Ŋ	A3	83
WATE			- e	١.	1	7	sa		1	,					,		5	2	2	٣	4	٣	7	4	4	٣	3
BREAKWATER			Type	Score	2	4	SR (		1				ı	ı		٠,	5	2	2	~	4	~	4	-7	4	~	~
<u>-</u>	1		Ĩ		Sur.	2		2	.v	2	~	- 5	2	ۍ.	7.	84 .	5	2	2	2	2	2	2	ري دي	2	B3	84
HAGNES I UH		Type 11	ss D	١.	- 1	77	S	2	7	S	4	4	4	4	7	4	2	2	2	4	2	4	4	-37	77	77	7
¥   1.		Τγρ	Cla	Score	9	<i>ح</i> د	2	2	<b>4</b>	2	<b>4</b>	77	4	4	-7	4	2	٠	2	<b>-</b> #	2	4	4	-7	4	7	4
1	MIL-M-45202		1	,	Zur.									.+			2										
	ŀ	_	ass C	,	- 1						٠,	٠,	•	84	A4			•	٠.		~,	υ,	•	•	S	ΑĄ	84
		Type	Clas	Score	اد اد	5 5	5 5	70	.+	70	- <del>-</del> -	4	<b>7</b>	<b>†</b>	4	4	5 5			~	5	- <del>-</del>	† †	-	7 7	en en	t t
-	-				- 1							_											_	_	_	•''	7
				Honths	Exposur	9	12	61	56	33	1,2	48	54	9	72	84	9	12	19	56	33	42	84	54	09	72	84
	100			1	7						527											22750					
	para		ysten		٦																						
	netal Preparation		1	(	4						8585											8585					
2	nete			System	ė						Ξ											12	_				

TABLE VII - (CON'T)

328	750		Sur.	Ŋ	Ŋ	2	Ŋ	R 33							ĸ	ιν	'n	ιν	r,	A4	R 42	ı			
W11 -0-16228			Score C/B U	٣	SR 6	•	•	•	•	:	•	•	١.	'	Ą	SR 6	1	•			•			•	<u>'</u>
3			<u> </u>		S			<u>'</u>	·	<u>'</u>		ا ~ <del>-</del> -	<u>'</u>	<u>.</u>		<i>-</i>	'	<u>'</u>		···			'	<u>'</u>	
		2	Sur.	Ŋ	2	Ŋ	Ŋ	77	A4	ς.	72	84	ŧ,	N	Ŋ	ß	2	2	Ŋ	'n	5	~	ß	5	2
		χbe	Score C/B U S	Ŋ	٠	:	1	•	•	ı	•	•	•	'	'n	2	72	4	Ŋ	4	7	7	7	4	7
		<u> </u>		Ŋ	SR	'	•	1	1	ı	1	1	<u>'</u>	٠	Ŋ	2	2	4	Ŋ	4	4	7	4.	4	7
		=	Sur.	w	ſ	2	2	2	Ŋ	2	2	2	A4	Α¢	5	~	. ب	'n	2	2	2	15	2	2	2
		Type 111	힌	Ŋ	S	2	4	77	4	4	4	4	4	4	٢٦	2	4	7	~	7	7	†	7	4	7
		-	Score C/B	'n	2	2	7	-7	7	7	7	-3	-77	7	2	2	4	4	7	7	4	4	7	-7 	7
	MIL-H-51/1	_	Sur.	44.	<del>7</del> 7	83	ន	84	ΑĄ	84	84	R 54		<b>,</b> -	2	72	82	R 19	•	•	t	•		•	٠
		Type 11	e o	2	9	1	•	ı	ı	ı	•	ı	ı	:	2	5	5	6		1	1	•	•	t	۱
		ı-	Score C/B U	2	SR	<u> </u>	1	1	1	١	'	,	•	1	2	2	2	SR	1	1	'	<u>'</u>	1	'	<u>'</u>
_			Sur.	A3	A2	82	R 19	•	•	•	i	1	ŧ	1	5	ΑĄ	'n	'n	ĸ	A4	5	2	84	A4	B4
WATER		Type 1	<u>د</u> ا	2	9	·	1	1	5	ı	ı	1	ı	1	2	Ŋ	5	7	7	4	4	77	≠.	7	~
BREAKWATER		ŕ	Score 1/8/2	2	SR	•	1	•	٠	•	ı	1	1		5	ß	S	4	4	4	4	4	7	4	-7
1		0	Sur.	5	2	ıς	ιΛ	2	ν.	2	A4	84	Aķ	84	5	2	S	'n	Ŋ	2	2	Ŋ	Ŋ	25	2
MAGNES IUM -		_ v	حاو	~	Ŋ	Ŋ	4	7	4	4	ιΛ	77	7	4	٧.	5	5	4	4	4	4	4	4	†	4
HAC	45202	ن ⊃ر	Score C/B U	2	Ŋ	Ŋ	47	4	-3	-#	72	4	-37	4	2	5	5	4	4	4	4	7	4	4	4
	MIL-M-45202	υ	Sur.	5	2	2	5	S	2	2	Ŋ	2	2	2	5	2	2	2	2	2	2	2	īV	5	5
		pe I	داها	~	Ŋ	4	7	7	7	4	4	7	7	4	2	Ŋ	4	7	4	4	4	4	4	٣	-₹
		€2	Score C/B U	~	Ŋ	4	7	7	4	4	7	7	4	4	2	Ŋ	4	4	. 17	7	7	-7	4	٣	47
			Months	9	12	61	792	33	42	84	54	9	72	84	9	12	19	56	33	42	84	54	9	72	84
:	ő		ام خ	<del> </del>					529						-					529					
	parat	Svstem	!!																						
	Metal Preparation	, in	Primer						27316											23377					
•	Meta		System						13										<del>-</del>	14					

TABLE VII - CON'T)

	MIL-P-15328		Score	١	2 2 5	SR 6 5	5	ن ا	ι.	- 2 8 33		1	1		-	
	Σ		S 10			٠.	5	5	2	<u></u>	2	5	43	ۍ	ۍ	
		Type 1V	l.	•	2	ß	7	4	2	4	<b>.</b> #	-7	4	-3	4	۱
!		Ty	Score	3	'n	ς,	*	-37	'n	4	-3	4	4	<b>₹</b>	-7	
		~	į	Sur.	5	S	5	Ŋ	5	2	Ŋ	2	S.	٠S	5	
		Type 11	1.71	-	ď	5	4	7	4	4	<b>.</b> #	4	77	e)	-T	
		<u> </u>	Score	3	Ŋ	2	4	7	7	.4	- <b>≄</b> 	7	∢	<u>~</u>	<b>-</b>	
	MIL-M-3171	=	,	Sur.	7	Ŋ	ĸ	5	ĸ	5	8- <del>1</del> 2	Αħ	. <del>.</del>	ß	83	
	HIL-	Type	Score		7.	5	7	4	10	4	-3	4	4	4	4	
			ι»i		٠,	'n	د.	7	-2	-7	- <del>-</del> -	-7	7	- <del>-</del> -	-7	
ATER		_		Sur.	Ŋ	5	. LA	ĸ	, w	, iv	Ŋ	Ś	ĸ	5	'n	
HAGNESIUM - BREAKWATER		Tvoe	Score	>  ~	50	, LO	, <u>r</u> v	-7	-7	7	<b>-</b> #	-27	4	4	47	
ص ا			SS	_	ۍ				7	-	-3	-7	<u>*</u>	- <del>-</del>	-7	٠.
NESTU		  - c		Sur.	'n		, w		, w	, in	'n	2	Ŋ	Ŋ	2	
HAG		Type 1	- E		r	, u	'n	· -3		. 4	-1	4	-17	4	-7	
	4520	ب د	Score	C/B	ى		, r <sub>v</sub>	٠ -	- 4		-3	-37	- <del>-</del>	7	7	
	HIL-H-45202	i i		. І		, ,	'n	\ u	\ u	·	'n	· w	ľ	2	2	
	1	a d		-	u	, u	י ע	١ -	- 4	-3	-3	4	-7	7	4	
		Type 1	Sol	8/S	u	٠ ٧	י ע	٠ -	7	7		4	4	~₹	4	
			Months	Exposure	7		2 0			67	84	54	. 09	72	78	
	100		E 100	coat						529	}					
	Octobration 1	D I B C I	System	Primer							Epoxy					
			E 0 4 9 7 7	No.						91	<u> </u>		-			

TABLE VIII

ı	1		ان												မှ										
HII -P-15328			Sur	5	Ŋ		1	1	ł	•	1	t	ı	'	C2-		1	1	ı	•	•	•	1	•	1
٩			Score C/B U	Ω.	S	R 12	1	•	,	1	ı	•	•	'	5	R 6	•	•	•		1	•		•	'
I X			355	~	ហ		'	1	1	<u> </u>	'	1	_	_	5		1	1	1	:	1	1	'	1	
		  -	Sur.	'n	'n	2	5	ĸ	2	2	٠,	2	2	5	5	2	2	2		•	1	•	•	•	•
		e e	ا ا	'n	۲V	'n	2	2	2	2	2	Ŋ	Ŋ	'n	5	'n	5	Ŋ	R 26	ı	•	1	1	•	•
		Ţ	Score C/B U Su	2	2	Ŋ	Ŋ	ľ	ۍ	ς,	Ŋ	٧.	2	2	5	۲v	Ŋ	Ŋ		ı	1	1	ı		٠
		_	Sur.	٠,	٠,	٠,	2	2	5	٠,	2	٠,	22	5	2	62-8		1			1		,	,	-
		Type 11	1_	2	2	2	22	22	22	2	2	2	2	5	2	2	R 12	ı			ı	,			
		Typ	Score C/B	2	z,	2	Ŋ	2	R.	2	2	2	2	5	5	ľ	œ	,		1		ı		1	,
-	+		Sur.	5	<u></u>				· ·		- 2	- 2	2	2	2	2	2	25	- 2		ıs	_			
M   - M-2		=	Sı									•													
2		Type 11	Score C/B U	5	ľV	ις.	ιν	īV	w	ß	ľ		'n		2	٠.	٠.	<b>ب</b>	<u>د</u>		-\$	٠.	-7	4	
	-		Š\Z	2	- 2	2		<u>~</u>	-	- 2	2		<u>~</u>	2	5		-2	2	<u>س</u>	~	- <del>-</del>	<u></u>		<del>-</del> -	-2
ST			Sur.	5	Ŋ	Ŋ	ς,	Ŋ	'n	2	s	ß	ĸ	~	5	ν.	٧.	8-03	2	72	ς.	5	2	C2-8	2
FORES		Type	e n	2	S	ß	5	2	5	2	'n	'n	ľΛ	ις.	~	Ŋ	2	ß	2	5	2	Δ.	5	~	R 72
RAIN		ŕ	Score C/B	5	Ŋ	ß	5	2	5	2	2	'n	5	ī	2	'n	72	ſ,	īV	Ľ۱	5	Ω.	Ŋ	m	
1	1		Sur.	5	S	2	'n	2	2	2	z,	2	'n	ω	5	2	45	ر.	Ŋ	2	2	ı,	ß	2	5
MAGNES I UM	ľ	Type II Class D	ح[	'n	'n	2	5	'n	2	2	2	۲۷	2	Ŋ	~	r2	'n	s	Ŋ	5	Ŋ	Ŋ	5	ĸ	2
¥1	707	Type	Score C/B	2	5	Ŋ	2	7	s	S	ß	S	2	rv.	2	5	2	5	Ŋ	2	2	'n	Ŋ	2	2
AM COCT.	-		1 .					<del>_</del>							-	<u> </u>	2				8 <b>&gt;</b> 00				_
	- [	rpe l lass C	Sur.		5			<b>u</b> ,	ν.	u,	۱n,											R 48	•	•	
		rype Class	Score C/8 U	2	٠.			2	٠.	. <del>.</del>		L/V		5 5	5 5	5 5		5 5	7.	5 5	5	œ			
				I	- 2		٠, 			~	47	ζς.	٠.	<u> </u>			2								
			Months Exposure	9	12	61	56	33	74	84	54	9	72	84	9	12	19	26	33	42	48	54	09	72	84
	5		Top- coat						529										-,	489					
	Preparation	System	ł						0											0					
			Primer						15930								_			15930					
	Metal		System No.						_											2					

TABLE VIII - (CON'T)

326			Sur.	'n	2	2	2	5	2	w	5	22	2	2	5	2	2	2	'n	Ŋ	9-00	2	2	C2-8	
MII -P-1532			Score C/B U	5	2	Ŋ	Ŋ	ß	2	2	w	4	2	2	2	5	ĸ	2	2	2	'n	Ŋ	2	ĸ	Р 72
Σ.				٠.	70	Ŋ	2	5	ς,	5	2	2	2	2	2	rv	2	2	2	٠,	2	2	ιν	\$	
		>	Sur.	2	2	2	2	2	'n	25	2	'n	2	2	5	2	7	٠,	2	2	Ŋ	2	2	c3-8	Ŋ
		Type 1V	اداع	~	2	2	2	2	2	Ŋ	ς.	5	ς,	2	2	2	2	٧	2	2	2	2	2	ιΛ	2
Ì	1	۴	Score C/B	'n	2	2	Ŋ	κċ	5	5	2	Ŋ	2	2	2	2	72	5	2	2	r.	2	z,	72	'n
Ì		_	Sur.												5	_				1	ı	ı	1	,	ı
		Type 1	داه	2	Ŋ	'n	5	2	22	S	ιΛ	Ŋ	2	2	2	Ŋ	R 12	,	•	1	ı	ı	ι	ı	1
		Ļ	Score C/B U	۲۷	5	'n	'n	v	'n	ιν	2	'n	2	5	2	rv		•	•	•	1	•	•	•	1
12121			Sur.	ۍ	2	Ŋ	2	'n	2	5	2	5	Ŋ	5	5	2	ις.	٧.	2	2	2	s	2	2	ς.
712-8-217		Type 1	داق	2	2	2	72	Ŋ	2	2	5	2	2	2	5	۲۷	2	2	2	2	Ŋ	5	2	ۍ	r.
	٦	<u>_</u>	Score C/B U		s.	'n	2	'n	'n	2	2	٠,	'n	S.	5	2	2	٠,	2	2	'n	'n	2	2	5
EST			Sur.	5	2	v	2	2	ν.	2	2	2	2	5	5	2	2	2	2	2	r.	'n	9-40	C3-4	5
FOREST		Type 1	د اه	5	2	2	2	2	2	2	72	2	2	2	5	2	2	2	2	2	2	2	2	Ŋ	2
RAIN		È	Score C/B U	2	5	2	2	5	ς,	Ŋ	'n	Ŋ	'n	2	2	5	2	Ŋ	ς,	ß	Ŋ	5	S	2	۲۷
SIUM -				5	2	v	5	2	2	25	S	۲.	Ŋ	5	5	2	'n	8>00	'n	'n	2	2	2	٠,	ľ
MAGNES I UM		Type 1 Class (	حاوا	2	2	S	2	'n	2	ιν	ເກ	2	'n	5	2	'n	2	w	2	Ŋ	Ŋ	2	2	Ŋ	2
	45202	<b>≟</b> 5	Score C/B U	2	ιν	Ŋ	Ω.	ĸ	2	L:	2	2	ς.	2	2	ស	5	Ŋ	5	Ŋ	2	2	2	Ŋ	٠٠
:	MIL-M-45202	3		2																					
		pe l ass	داها	2	2	Ŋ	4	Ŋ	r,	Ŋ	2	ß	4	2	5	2	Ŋ	4	S	Ŋ	Ŋ	5	2	2	5
		<u>,</u>		r.	Ŋ	5	4	'n	'n	Ŋ	2	ĸ	<b>-</b> 7	2	5	2	2		ς,	Ŋ	Ŋ	22	Ŋ	2	2
			Months	9	2	6	26	33	42	48	54	9	72	84	9	2	19	56	33	42	48	54	9	72	<b>†8</b>
			EX SO	_	_	_	~	<u></u>	_		<u></u>	<u>•</u>	_			_	_	-	<u>~</u>		7	٠٠	<u>•</u>		
	ation	E	Top-						527											22750					
	Preparation	System	Primer						5930											5930					
	Hetal		System No.	-					~			-								4					

TABLE VIII - (CON'T)

120			Sur.	2	ιΛ	S.	ď	ľ	۴v	B4	64<8	C2-8	c2-8		5	Ŋ	s.	6348	Ŋ	2	۲۰	C4 <b>&lt;</b> 3	ĸ	2	2
-0-15328	1		ادا											R 72							2				- 1
1 N			Score C/B U	2	72	2								~	5	2	٧	5	ς,	2	~	٧.	Ŋ	Ŋ	2
		    -	Sur.	'n	2	5	'n	2	2	2	٧.	2	r2	5	5	2	2	2	2	2	2	٧.	Ŋ	S	2
	١	pe IV	္စ	٠	2	5	2	S	5	2	22	S	2	5	2	Ŋ	2	Ŋ	2	2	2	ω.	2	2	2
		Ty	Score C/B U	2	٧	۲۵	٧.	S	2	2	2	2	2	2	5	'n	Ŋ	Ŋ	2	2	S	2	2	Ŋ	2
		=	Sur.	72	۲۷	2	2	٠,	₽.	2	۲۷	2	2	5	5	2	2	2	2	2	۷	v	'n	٧.	2
		Туре 111	داه	2	יי	S	2	w	2	2	2	Ŋ	2	5	5	2	2	2	<b>~</b>	2	'n	2	'n	'n	2
		ŕ	Score C/B	5	ď	ĸ	2	īV	rv.	5	7	'n	2	5	2	2	Ŋ	S	5	15	2	Ŋ	ın	2	2
1715			Sur.	5	٧.	~	۲۷	۲,	2	5	2	Ŋ	2	5	5	5	2	u,	2	2	6-42	2	2	2	2
2 1	1	Type 1	ا ا	5	2	z,	'n	ς.	2	2	2	2	ď	2	5	Ŋ	2	Ŋ	5	5	5	5	2	S	2
2	=	Τy	Score C/B	5	72	Ŋ	٠,	8	Ŋ	Ŋ	rv	5	Ŋ	2	5	72	c	rv.	5	Ŋ	ß	5	ĸ	~	2
			Sur.	5	٧.	2	٧.	25	Z.	2	2	'n	2	٠.	2	2	2	2	2	2	8-42	2	2	Ŋ	2
ORES		 	داه	ın	Ŋ	Ŋ	S	Ŋ	Ŋ	s	Ŋ	Ŋ.	Ŋ	2	2	'n	'S		ß	5	ß	2	2	2	2
RAIN FOREST		Туре	Score C/B U	5	5	s	ī.	Ŋ	Ŋ	7	2	'n	Ŋ	۲۷	5	2	2	2	2	2	'n	ν.	2	۲۷	2
1		- 0	Sur.	5	'n	2	ır.	2	'n	2	2	٠,	10	S	5	'n	2	S	s,	2	2	٧.	2	٧.	5
MAGNES I UM		_ v	حاه	2	2	S	2	s	Ŋ	5	ĸ	s	ĸ	2	5	2	ഹ	2	u١	5	7	s,	Ŋ	5	2
HAC	2202	<u>,</u> 2	Score C/B U	'n	Ŋ	v	ß	٧	ĸ	٠	'n	5	ĸ	5	2	Ŋ	īV	2	'n	Ŋ	Ŋ	2	2	ß	2
]	M11-M-4520		Sur.	2	25	ري دي	2	۰.	s	2	٧.	'n	۲۷	<u>-</u>	2	۲۷	2	2	2	2	2	٠.	2	5	2
ľ	ī	ype 1 lass C	١.	~	s	5	r2	S	ĸ	5	S	ω	S	r.	2	S	2	72	2	Ŋ	Ŋ	2	2	S	2
		Type Class	Score C/8	5	S	Ŋ	'n	5	5	2	Ŋ	S	2	Ŋ	2	5	5	2	Ŋ	5	رح ح			Ŋ	5
			Months	9	71	61	56	33	42	84	54	9	72	<b>78</b>	9	12	5	56	33	42	84	54	09	72	84
	rion	System	Top- Coat						529		-									489					
	Preparation	yster		1																					
	al Pre		ئة ا						52132											52192					
	Hetal		System Nc.				_		8											9					

TABLE VIII - (CON'T)

823			Sur.	5	Ŋ	s	2	'n	Ŋ	5	2	c,	٧.		2	2	v	2	Ŋ	5	Ŋ	2	S		
M11-P-1532			ادل	5	2	5	2	2	Ŋ	ιν	2	2	ν.	2	2	Ŋ	5	47	2	r2	0	Ŋ	'n	R 60	ı
<u> </u>			Score C/B U	5	2	2	'n	2	2	2	2	2	2	2	2	2	2	7	2	Ŋ	0	u١	0		ı
			Sur.	5	2	'n	2	72	2	5	2	r.	2	ιν —	5	2	. س	2	2	2	7	'n	Ŋ	c3-6	ω.
	Ì	De 1	n	5	Ŋ	Ŋ	2	z,	Ŋ	5	2	Ŋ	5	'n	~	Ŋ	2	'n	2	Ŋ	2	īV	Ŋ	S	5
		<u>-</u>	Score C/B U	5											2										
		_	Sur.	5	2	2	2	2	2	2	2	2	Ŋ	٧.	5	2	2	2	2	2	2	2	2	63-6	<u>ب</u>
		Type 1	re U	5	Ŋ	5	ις.	ľ	'n	ς.	2	22	Ŋ	٠.	2	2	2	Ŋ	2	s	2	ß	2	5	<b>ا</b>
	L	1	Score C/B		2	S	w	2	7	2	2	2	2	r.	2	2	2	5	₽	ĸ	ς.	2	2	ď	rv.
21.71			Sur.	5	2	2	ď	٧.	2	5	72	2	S	5	5	5	w	٧.	٧.	2	5	2	2	9-63	'n
H11-H-317		Type !!	ျာ	2	٧	Ŋ	2	2	2	٧	2	Ŋ	2	'n	r.	ν.	ς.	ۍ	2	Ŋ	2	ιν	v	2	Ŋ
I		ř	Score C/8	2	2	2	2	ĸ	rv.	2	ın	2	ĸ	~	5	2	2	Ŋ	ς.	2	5	2	2	5	Ŋ
F			Sur.	5	1/2	2	2	2	Ŋ	2	2	ω.	۲5	2	5	'n	2	2	2	2	5	2	2	9-63	2
FOREST		Type 1	o o	ιν	Ŋ	Ŋ	r2	Ŋ	Ŋ	٧	2	Ŋ	ß	2	5	S	'n	Ŋ	2	2	'n	Ŋ	2	ν.	2
RAIR		ř	Score C/B U	ın	7	ß	2	2	ν.	٧	2	2	2	S	2	2	2	ď	2	Ŋ	٧.	Ŋ	Ŋ	٧.	~
٦[		•	•	5	2	2	2	2	2	٧	٧.	Ŋ	٧	2	5	٧	٧.	ر ک	2	2	2	2	5	9-63	2
MAGNES I UM	Pe -	ass (	ျှာ	2	2	z,	2	ď	ιΛ	2	ν.	2	5	Ŋ	5	2	٧	٧	2	ı,	ď	2	2	2	ĸ
HAC	ř	'리	Score C/B U	5	2	2	2	Ŋ	Ŋ	Ŋ	2	Ŋ	ν	2	r.	S	2	٧.	۶.	2	ß	٧.	Ŋ	5	S
M/ M11 -M-4520			Sur.	5	'n	2	2	٧.	5	ω	2	٧.	~	2	5	Ŋ	s	~	2	s.	v	v.	S	23-6	2
		Class C	ore '8 U	٠,	Ś	2	٧	v.	Ŋ	٧	5	Ŋ	٧	2	2	٧.	ß	۲۷	٧.	Ŋ	Ŋ	2	Ŋ	ς.	2
	ř	.2	Scor C/8	5	ß	Δ.	5	'n	٧.	2	5	2	Ŋ	2	5	s,	ς,	2	ζ.	Ŋ	'n	ις,	Ŋ	٠,	2
	1		ths																						
			Ponths Exposure	9	12	5	56	33	42	48	54	9	72	84	9	12	19	26	33	42	48	54	જ	72	84
60		و	Top- coat						527											22750					
		System							35																
Hotel Drangeton			Primer						52192											52192					
, c			System No.						7											æ					

TABLE VIII - (CON'T)

58	<u> </u>	Sur.	2	9-13		١,			` •				,	5	C1<8,					,		,	٠,	,
-153		- 1	5	2 0	R -12			,				ì	,	2	2 C	R 12		,	,	, <sub>1</sub>	,		. `	
HIL-P-1		Score C/8 6	5	rί	œ	ı	, 1	1	,	1	,	,		٦,	2	œ			:		٠,	1	,	
		Sur	_	6-4-8	2	ı,	2	2	2	2	2	<u>-</u>	<u>ب</u>	2		5	2	2	~	8-42		8-40	8-40	ıs
	اد اد	l . I	2	): S	5	Ŋ.	- 15	2	2	ς,	2	ĸ	ر.	2	2	5				۷,			2	Ŋ
	Ē	Score C/B U	ĸ	s	ι,	'n	ı,	٦.	Ŋ	2	S	v	ď	2	Ŋ	rνί	rv.	ķ	2	ĸ	2	2	Ŋ,	. rv
	_	Sur.	c3-8	c3-8	3-8	i	1	•	,	,	1	,	,	2	۲,	2	'n	S	7	63-8	r.	23-8	3-8	;
	= e	١. ١	٠. س	v	2	R 19		;			١,	,	,	2			2	ĸ	5	7	٧.	r.	2	R 72
	Туре	Score C/B U	2	2	-5	Œ		<b>,</b> ,			,	ı	,	2	'n	2	بر	2	'n	ស	S	2	2	
1711	_	Sur.	٠.	₹,	2	25	S	2	2	2	2	2	5.	5	2	2	2	2	٠.		S	12	2	2
HIL-H-31	Type 11	ا ا	ı,	2,	5	,	2	ν.	2	2		۶,		2	, 26	2	۲,	77	ĸ	s,	٠.	5	v	ιS
E	, T	Score C/B	4	5	5	5	5	ψ	ς.	15	2	ر. د	۲v	ı,	5	2	5	5	'n	Ŋ	'n	7	ľ	2
EST		Sur.	c3-8	c3-2		;	,	,	,		,			3-8			,	,			<u>.                                    </u>	_		
RAIN FOREST	- - -	ارا	ئ د	2 2	12				او			,	•	2 5	ъ 6-		;		1					
- RA	Type.	Score C/B	Ŋ	2	ęκ	,							,	r.	<u>ح</u>		1		1	ì			1	
	-	Sur.		2		2	10				- 2	5	10		· ·		- 2				2			
MAGNES I UM	- o s	اد				10	10	10	10	5.			-37					•	·-·	_,		5	_	
١	Type Clas	Score C/B U	2,	r.	2,	w.	7,	7,	2,	5	5 5		7 77	ιν. 	5 5	5	5	5 5	2	7 7	5	5,	7 7	2 1
HIL-H-45202		Sur.					<u> </u>							<u>                                     </u>								٠,	8-	
H	ر د _ د	) )				.5								5-		<b>.</b> .		'n		1 84				'n
	Type 1	Score C/B U	5 5	2,	r.	5	2	5	r.	27	5 5	5.	5	5 5	5 5	5	2	2	5	5	5	5 5	5	5 5
-		1									•									-			1	
	,	Months Exposure	9	12	. <u>s</u>	56	. 33	42	847	54	9	72	.84	9	12	19	56	33	42	84	. 54	9	.72	84
stion	£	Top- imer coat						529											489			-	1	
Metal Preparation	Syste	اة						8585				•				ı			8585					,
Heta		System No.						6					<del>,</del>						2			<b>.</b>		
									,				37	-										

TABLE VIII - (CON'T)

														ı											ı
328			Sur.	ď	2	Ŋ	2	۲۷	2	22	Ŋ	ς	Ŋ	2	C1-8	C1-8	C2-3	8-03		٠,					
MII -P-15328		,	ادار	ιΛ	Ŋ	ις.	S	۲	2	S.	2	2	5	2	n,	Ŋ	z,	-3	R 26	•	1	ı	ı		
3			C/B L	2	2	Ŋ	Ŋ	٧.	Ŋ	2	Ŋ	'n	2	2	2	5	Ŋ	<b>.</b> 7			1	•	•	ı	•
	†		Sur.	2	2	٠,	5	٠,	S	2	2	2	~	2	2	٧.	٧.	5	ري د	5	5	2	2	2	2
		S .		2	2	ςς.	2	Ŋ	2	2	2	ĸ	ς.	ς.	5	ĸ	2	ľ	r.	Ŋ	S	2	Ŋ	S	2
		Type	5/8 5/8	ĸ	ري د	ري د	2	'n	2	'n	2	۲v	5	ī	2	ß	٧.	٠	2	'n	45	Ŋ	Ŋ	2	2
			Sur.	ر.	2	2	2	ام	2	ıs	2	'n	s	۲۷	5	2	5	2	5	<b>ب</b>	v	<u>د</u>	S	C2-8	
		Type 111	داه	2	2	5	Ŋ	2	\$	2	5	2	۰,	'n	2	ιν	ıs	Ŋ	Ŋ	٧.	2	Ŋ	Ŋ	Ŋ	R 72
		Ţ	Score C/B	Ŋ	Ŋ	'n	Ŋ	2	Ŋ	2	Ŋ	Ŋ	٠	'n	2	ν.	Ŋ	2	S	Ŋ	12	ĸ	S	٠	
	-		Sur.	2	2	2	5	S	2	~	٠,	2	2	v	2	2	2	'n	S	2	2	٧.	v	8-40	2
	MIL-M-31/	Type 11	حاه	5	2	Ŋ	ß	2	2	\$	Ŋ	'n	s	ľ	2	Ŋ	5	Ŋ	٧.	5	'n	2	Ŋ	2	~
ľ	۲	7	Score C/B L	~	15	Ŋ	ιν	5	2	2	۲۷	ß	'n	2	2	s	'n	Ŋ	Ŋ	2	S	\$	s	2	2
RAIN FOREST			Sur.	C1-8	•	,	,	,	,	•	,	,	,	,	2	c3-2		,	,	,	,		ı	•	,
IN F		pe 1	n O	5	8 6	ı	ı	,	•		1	1		ı	2	5	R 12	1	ı	ı	•	ı	1	ı	
- 1		Туре	Score C/8 U	5		1	ı	•		ı	ı	,	ı	•	2	S		1	1	ı	ı	1	,	ı	•
MAGNES I UM			Sur.	2	٠,	2	5	ķ	2	5	2	2	2	5	2	Ŋ	22	2	ď	S	2	'n	2	2	2
HAG		Type 11 Class D	حل	~	5	47	S	ۍ	S	Ŋ	٠ د	w	Ŋ	Ŋ	۳	Ŋ	2	ĸ	ď	2	2	S	2	5	2
	45202	Type	Score C/B	2	2	2	S	Ŋ	5	S	'n	'n	45	v,	~	'n	2	5	'n	2	s	2	2	Ŋ	.5
	HIL-H-45202	U	Sur.	2	2	S	S	2	'n	ı'n	5	S	2	2	5	٧.	Ŋ	Ŋ	Ŋ	5	Ŋ	2	٠,	'n	5
	~	Type I	حل	~	Ŋ	· rv	5	Ŋ	Ŋ	Ŋ	'n	v	Ŋ	'n	~	7	'n	2	S	Ŋ	Ŋ	2	S	S	ĸ
		<u>}</u> 5	Score C/8 U	~	·	'n	w	S	'n	'n	Ŋ	w	'n	'n	~	rv	Ŋ	٧.	Ŋ	2	Ŋ	Ŋ	Ś	ß	₹
			Honths	9	12	6	56	33	42	48	54	. 09	72	84	9	12	6	56	33	742	84	54	09	72	78
	riginal l	=	Top-				-		527											22750					
	Preparation	1	Primer						8585											8585	<b>.</b>				
	Hetal		System						=											12					

TABLE VIII - (CON'T)

THE PROPERTY OF THE PROPERTY O

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328		Sur.	5	8-00 00				,					,	2	2	٧.	Ŋ	'n	٧.	S	2	Ŋ	Ŋ	2
HIL-P-15328		Score C/8 U	5	2	R 12	,		ı	ı	ı	ı	•		2	2	'n	ហ	Ŋ	Ŋ	Ŋ	'n	'n	2	2
HIL		Sco.	2	2		ı	•	•	•	ı	ı	ı		5	2	w	Ŋ	Ŋ	ß	ĸ	Ŋ	Ŋ	2	2
		Sur.	5	8-00			,		,	,		,		2	2	5	2	2	2	2	2	2	2	5
	)e 17	داء	2	2	R 12			,	,		,	1		2	2	ľ	2	S	2	2	2	2	2	2
	Ty	Score C/B U S	5	5	æ,			,	ı			•	•	5	2	Ŋ	ς,	S.	2	2	5	2	5	2
	_	Sur.	5	8-00		,		,	,	,	,			2	r.	۰.	S	٠,	2	5	2	2	2	2
1	- -	دا	2	2	12	,	,	ı	1	1	,			2	~	2	5	2	2	2	۲۷	15	2	2
	Typ	Score C/B U Si	2		œ			١.	1		,	1	,	5	5	2	Ŋ	Ŋ	2	2	٧	Ŋ	s,	2
121		Sur.	2	8-0		_		<u>.                                    </u>	_		_			5	- 2		- 2				٠.	-2	2	2
H12-H-317	=	8	2	ن.	12							,		2						ı,				
E	Typ	Score C/B U	5	2,	œ	,	,	•	,	Ì		•	1	5	2,	5	2,	'n	7,	7,	5,	5,	5.	2
13		Sur.		8-6										5		2	2					2	- 2	2
FORE	-	1	Ì		12	•		•	•	·	•	•	•					-				-		
SAIN	Type	Score C/B U	5 5	5 5	œ					!	• •		'	5 5	5 5	5 5	5	rv v	rv v	5	5 5	5	5 5	5 5
MAGNESIUM - RAIN FOREST	-	ابران	<u> </u>																					
NES I	= 0	Sur.	2	ė	2	ı	1	•	•	•	•	1	ı	5	Ω	ß	5	ß	72	5	ιν	5	S	2
HAC	ype	Score C/8 U S	2	Ŋ	~	ı	•	ı	,	•	•	•	•	~	S	ß	Ŋ	ß	5	2	2	2	5	2
-4520	_			2		1	<u>'</u>	1	<u>'</u>	'	<u>'</u>	'	<u>'</u>	- 5	2	-2	2	2	- 2	- 2	2	2	2	2
M1L-M-45202	ں	Sur.	2	8-00		•	,	1	•	٠.	1	:	•	2	2	S	S	ß	Ŋ	2	2	ν.	2	\$
	pe l	ح ه	~	Ŋ	R 12	•	•	•	ı	1	1	ı	•	~	2	Ŋ	2	5	S	2	rv	2	5	2
	<b>F</b> 2	Score C/B U S	2	2		١	•	t	•	1	•	•	1	2	5	s	2	'n	'n	'n	ß	'n	2	ς
		Months Exposure	9	2	<u></u>	56	33	42	84	54	09	72	84	9	2	61	26	33	42	84	54	9	72	84
		Exp(		_	_		<u>~</u>	7	7	~	9	_	·	_	_	_	۲۷		7	-7		9	_	ω
ot ion	Ę	Top- coat						529											529					
Popular	System	Primer																						
Metal Preparation		۵						27316											23377					
A S		System No.						13											14					

TABLE VIII - (CON'T)

	328				Sur.	22	ς.	s,	٧	2	٧.	2	'n	Ŋ	Ŋ	5
	MIL-P-1532			وا	╕	ν.	2	٧.	٧.	'n	2	ĸ	2	2	٣	2
				Score	<b>8</b>	2	2	2	۷.	'n	~	s	u١	s	m	2
		:	_		Sur.	5	٧.	۲۷	₩.	2	'n	2	2	٧	2	5
			Type	و	٦	2	Δ	2	S	2	S	'n	2	2	S	2
			-	Score	C/8	s	٧.	2	Ŋ	2	2	'n	2	ν.	~	5
	أ		=		Sur.	S	S	2	77	2	2	2	5	2	2	5
			Type	ē	D	2	2	5	S	ß	Ŋ	ľV	2	ß	5	2
			4	Score	8/2	2	2	ıν	Ŋ	2	rz,	2	Ŋ	2	2	2
	-3171		_		Sur.	5	ĸ	٠,	ς.	Ŋ	ľ	Ŋ	r.	ι	٧.	٧
	MIL-H-317		Type !	ė	٥	5	Ŋ	ιΛ	5	5	s	Ŋ	S	5	2	2
	~			Score	C/B	5	2	2	'n	2	۷.	Ŋ	2	Ŋ	'n	2
REST					Sur.	5	Ŋ	5	Ŋ	'n	ĸ۸	v	Ŋ	ις	5	'n
RAIN FOREST			Type I	e	)	5	Ŋ	ĸ	8	ď	5	Ŋ	5	5	Ŋ	Ŋ
- RAI			₽	Score	C/B	5	Ŋ	ı,	2	5	ς.	Ŋ	2	2	Ŋ	ß
MAGNES I UM -		1	٥		Sur.	5	'n	ĸ	2	٧.	Ŋ	2	2	2	2	٧
MAGN		ype	Class	e e	>	2	Ŋ	Ŋ	Ŋ	ß	v	Ŋ	2	Ŋ	ß	S
	45202	1,	ວ	Score	c/8	2	Ŋ	Ŋ	Ś	ις	7	Δ.	ĸ	Ŋ	Ŋ	5
	M11-M-45202				Sur.	5	5	ŝ	S	2	2	Ŋ	2	Ŋ	2	٧.
	_	pe	ass	e e	>	'n	2	v	S	Ŋ	ĸ	Ŋ	5	S	2	Ŋ
		Τy	ວ	Scor	e C/8 U S	2	٧.	Ŋ	ν.	'n	Ŋ	Ŋ	'n	'n	'n	7
				Months	Exposure	9	12	61	56	33	42	48	54	09	72	78
	ation		e	Top-	coat				•		529				· · · · · ·	
	Metal Preparation	1	System		Primer coat						Exp	Ероху				
	Metal			Svstem		├										

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TABLE IX

関語を対することをおければ、 く こ は 、アイスリング

ALUMINUM (MONTHS TO FAILURE) 7 YEARS EXPOSURE AT BREAKWATER

M1L-P-15328	e Surface	1 ; 9	1	1 1 1	1 1 1	1	-	1	1	t 1	-		2
. MIL-	Score	42	19	26  19	6 19 12	12	19	12	26	12	56		
MIL-A-8625	Surface	111	:	111	111	1	-	:	:		1		14
MIL-	Score	:::	!	1 ! !	111	;	;	33	;		. 61		
MIL-6-5541 MIL-A-	Surface	1 1 1	1	; ;	1 1 1				1		-		1.1
MIL-	Score	1111		111	6 19 12	!	54	26	!	\$ 	1	Systems	
M1L-M-10578	Surface	1.1.1	:	 448 	; ; ;		=	1	t 1	!	i	- 16	2
2 =	Score	26  72	19	61 61	999	12	19	12	:	j2	12	Exposure	
Solvent	Surface	999	1	1 1 1	1 1 1	33	9	9	!	-	-	r 7 Years	_
Sol	Score	1 1 1	61 .	15 19 19 19	999	12	12	12	1 1	12	12	ory Afte	
tion	Topcoat	529 527 489	529	529 527 489	529 527 489	529	529	529	529	529	529	Satisfactory	
Surface	Primer Topo	8585	999	15930	52192	Exp. Epoxy	664	11414	27316	23377	485	Number	

TABLE X

ALUMINUM (MONTHS TO FAILURE) 7 YEARS EXPOSURE AT RAIN FOREST  Solvent Cleaned Mil-M-10578 MIL-C-5541 MIL-A-8625 MIL-P-15328	Surface Score Surface Sco	11 11 11 11 11 11 11 11 11 11 11 11 11		9	9		9		-	1.5		61 61 6	61 9	- 6 to 6 to 72 to 19	12 60	6l 6l 6	09 48 61 9	
	ace								-	: 1		<del></del>					-	
	oat	529	527	489	529	£29 <sup>′</sup>		489	529	, , ,	777 489	529	529	529	529	529	529	
Surface	Primer Topo	8585	) )		999	15390	0000		52 192	1		EXP. Epoxy	664	11414	27316	23377	485	

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TABLE XI

Al	UMINUM S	YSTEMS RA	TED 4 OR BETT	ER AT BOTH S	ITES AFTER 7	YEARS
Surface		Solvent				
Prepara	tion	Cleaned	MIL-M-10578	MIL-C-5541	MIL-A-8625	MIL-P-15328
Primer	Topcoat					
8585	529			х	Х	l
- •	527		Х	X	X	
	489			X X X	Х	
666	529			х	Х	
15930	529			Х	Х	•
	527			X X	Х	X
	489		,	Х	Х	
52192	529			•	Х	
	527				Х	•
	489			,	Х	
Exp.						
Ероху	529			X	Х	
664	529				Х	
11414	529					
27316	529	Х			X	
23377	529			X	X	
485	429			<del></del>		
Total (16 Sy	stems)	1	1	9	14	1

TABLE XII

						í	ı		ı	1	ı	1		1
15328	Primer Acid)	Sur.	8 8 8 8 8 8	33	1.8	2 - 1		5 :	54	33	42	33		0
MIL-P-15328	Wash F	Score	99	99	94	999	9	<b>9</b> 4	9	9	12	٠		
	Type 1V Galvanic Anodiże	Sur.	!		1 :	; ;	12	33	0 !	1	!	!		9
	Type 1V Galvani Anodiże	Score	; ;	19	9 5	799	:	33	72	!	ļ	ì		
TER	111 mate	Sur.	; ;		1 1		;	1 6	9 !	ł	+	-		. 01
BREAKWATER 3171	Type 111 Dichromate	Score		- 61	72	1 1 6	;	; ;	72	1	:	1		-
7	- ge e	Sur.	170		42	35 l	2	22		54	19	*18		2*
EXPOSU	Type 11 Sealed Chrome	Score	42	5 0 0	2,	०००		;	84*	;	1	1		
YEARS	_  a = -	Sur.	1 5	7	26	13 48 42	4	9 9	72	9	1	;	Systems	8
HS TO FAILURE) 7 YEARS EXPOSURE	Type 1 Chrome	Score	26	4	9	०००		1	72		1	; ;	- 15	,
TO FALL	= 0	Sur.	1 1	1 1	33	1 1 1	1	1 1	1 1	1	1	1	Exposure	6
UM (MONTHS	Type 11	Score	1	1 1 5	12	७ ७ ७			; ;	;		1	Years E	
MAGNESIUM (MONT			!	1 1 1	. 26	1 1 1		: : ; 1	; ;	1	1	!	11-	8
	Type	Score	72	ء ا ه	6 9	७७७		: :	: :	1:	;		tory Af	
	ment.	Toccoat	529	489 527	529	489 527 22750		529 489	527	526	529	529	Satisfactory After	
	Pretreatment System	Primer	1		52192	<b>1</b>		8585		27316	23377	Exp.	11 -	

\*Rated 3 or less at last inspection. Final rating will depend on rating during next inspection

TABLE XIII

12 12 12 12 12 12 13 14 9 13 - 6	System Primer Topo 15930 529 527 227 52192 529 8585 529	Topcoat 529 489 527 22750 529 489 527 22750 529 527 529 527	AGNES 1 UN  Type   Class C Score Sur		Type 1   Class	Type   Chrome   Pickle   Score   Sur.	Score Score	MIL-H-317 MIL-H-317 Sur. Sco Sur. Sco	Type	Type IV Galvanic Anodize Score Su 26 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1V nic ze Sur. 26 	MIL-P-15328  Wash Primer (1/2 Acid) Score Sur 12 72 60 72 60 12 12 12 12	15328 rimer 12 50 60 60 60 12	,	
529		22750	1	; 5							: ;	12	: :	12	1
r 529	9 2	529		7		2 !		1			;		;		} ,
ears_Exposure - 15 Systems	. ≩	529		1								;	-		11
14 9 14 9 13 .	ber	Satisfac	tory Afte	er 7 '	Years_Expos	sure		ns	.				-		1
			13		ħι		6	14		δ		13		ا و	1

TABLE XIV

The state of the s

MIL-P-15328								0
SITES	Type 1V Galvanic Anodize	××				×	×	4
MS FOR MAGNESIUM 4 OR BETTER AFTER 7 YEARS AT BUTH SITES MIL-M-45202 (	Type 111 Dichromate	××	××			×	×	. 9
ER AFTER 7	Type il Sealed Chrome Pickle	·		*X			Х*	0 + 2*
M 4 OR BET	Type 1 Chrome	×				X	×	3
OR MAGNES 1 U	Type 11 Class D	××		××××		×	×	8
SYSTEMS F	Type 1 Class C	×		××××		×	×	7
tment		Topcoat 529 489 527 22750	529 489 527 22750	529 489 527 22750.	529	529	529	stems)
Pretreatment	System	Primer 15930	52192	8585	27316	23377	Exp. Epoxy	Tots! (15 Systems)

\*Rated 3 or less at last inspection. Final rating will depend on rating during next inspection.